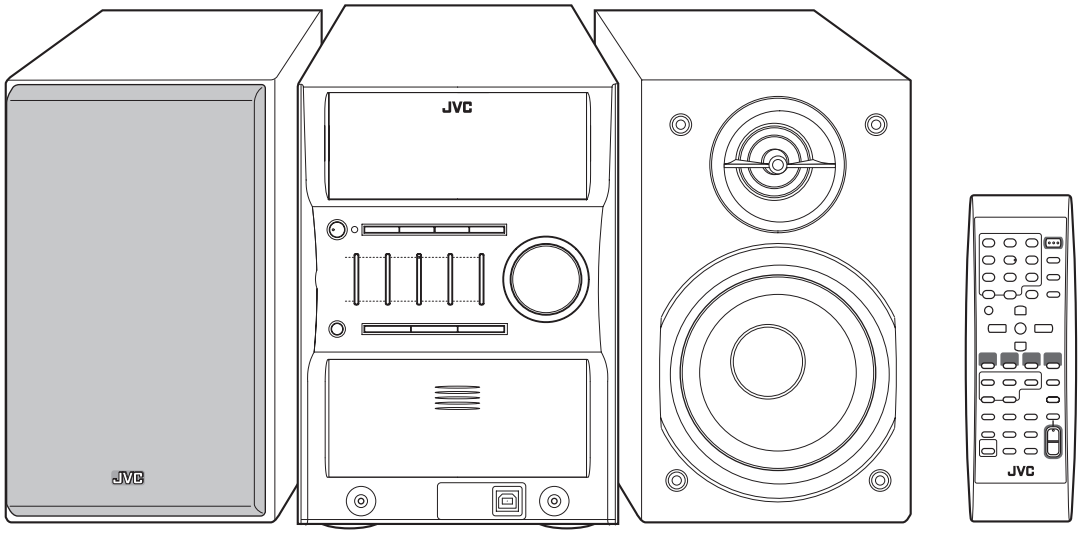
JVC

SERVICE MANUAL

MICRO COMPONENT SYSTEM

UX-G50J,UX-G50C



SP-UXG50 CA-UXG50 SP-UXG50

COMPACT disc DIGITAL AUDIO

MP3 PLAYBACK

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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No.MB509
2006/3

SPECIFICATION

Amplifier section	Output Power		120 W per channel, min. RMS, driven into 6 Ω at 1 kHz with no more than 10% total harmonic distortion.
	Speakers Impedance		6 Ω - 16 Ω
	Audio Input	AUX	Input sensitivity/Impedance: LEVEL1:150 mV/47 kΩ LEVEL2:500 mV/47 kΩ
		USB	USB Ver. 1.1
Tuner section	FM tuning range		87.5 MHz - 108.0 MHz
	AM tuning range		530 kHz - 1 710 kHz
CD player section	Dynamic range		85 dB
	Signal-to-noise ratio		85 dB
	Wow and flutter		Immeasurable
General	Power requirement		AC 120 V , 60 Hz
	Power consumption		155 W (at operation) 20 W (at standby) 0.8 W (at on standby and Display off)
	Dimensions (approx.)		175 mm × 246 mm × 415 mm (6-15/16" × 9-11/16" × 16-3/8") (W/H/D)
	Mass (approx.)		7.4 kg (16.4 lbs)
Speakers	Type		2-way Bass reflex
	Speaker units	Woofer	12 cm (4") cone × 1
		Tweeter	4 cm (1-5/8") cone × 1
	Impedance		6 Ω
	Dimensions (approx.)		145 mm × 246 mm × 212 mm (5-3/4" × 9-11/16" × 8-3/8") (W/H/D)
	Mass (approx.)		2.2 kg (4.9 lbs) each

Design and specification are subject to change without notice.

SECTION 1
PRECAUTION

1.1 Safety Precautions

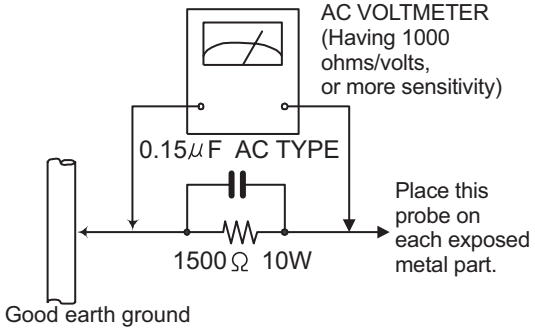
(1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.

(4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

(5) Leakage shock hazard testing
After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.Do not use a line isolation transformer during this check.
- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
- Alternate check method
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000Ω per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground.
Measure the AC voltage across the resistor with the AC voltmeter.
Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



1.2 Warning

(1) This equipment has been designed and manufactured to meet international safety standards.
(2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(3) Repairs must be made in accordance with the relevant safety standards.
(4) It is essential that safety critical components are replaced by approved parts.
(5) If mains voltage selector is provided, check setting for local voltage.

1.3 Caution

Burrs formed during molding may be left over on some parts of the chassis.
Therefore, pay attention to such burrs in the case of preforming repair of this system.

1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▮) and ICP (●) or identified by the " ⚠ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer.
(This regulation dose not Except the J and C version)

1.5 Preventing static electricity

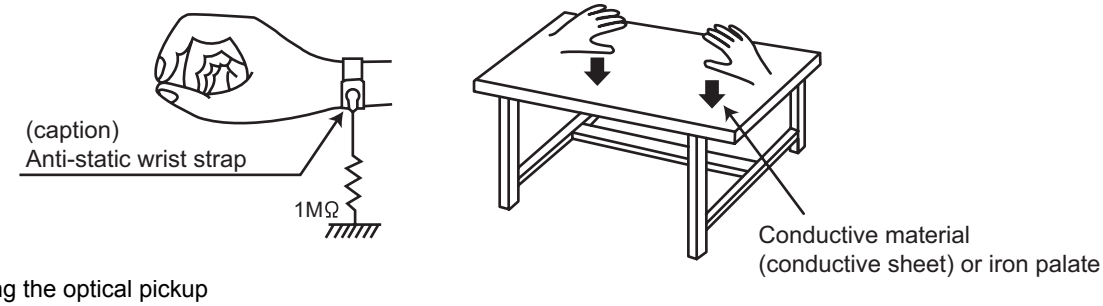
Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

1.5.1 Grounding to prevent damage by static electricity

Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as laser products.
Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench
Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the traverse unit (optical pickup) on it.

(2) Ground yourself
Use an anti-static wrist strap to release any static electricity built up in your body.



(3) Handling the optical pickup
- In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition. (Refer to the text.)
- Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

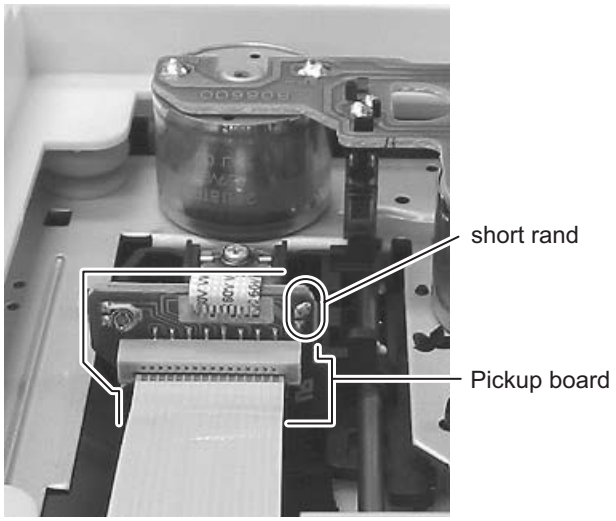
1.6 Handling the traverse unit (optical pickup)

(1) Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.
(2) Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.
(3) Handle the flexible cable carefully as it may break when subjected to strong force.
(4) I t is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it.

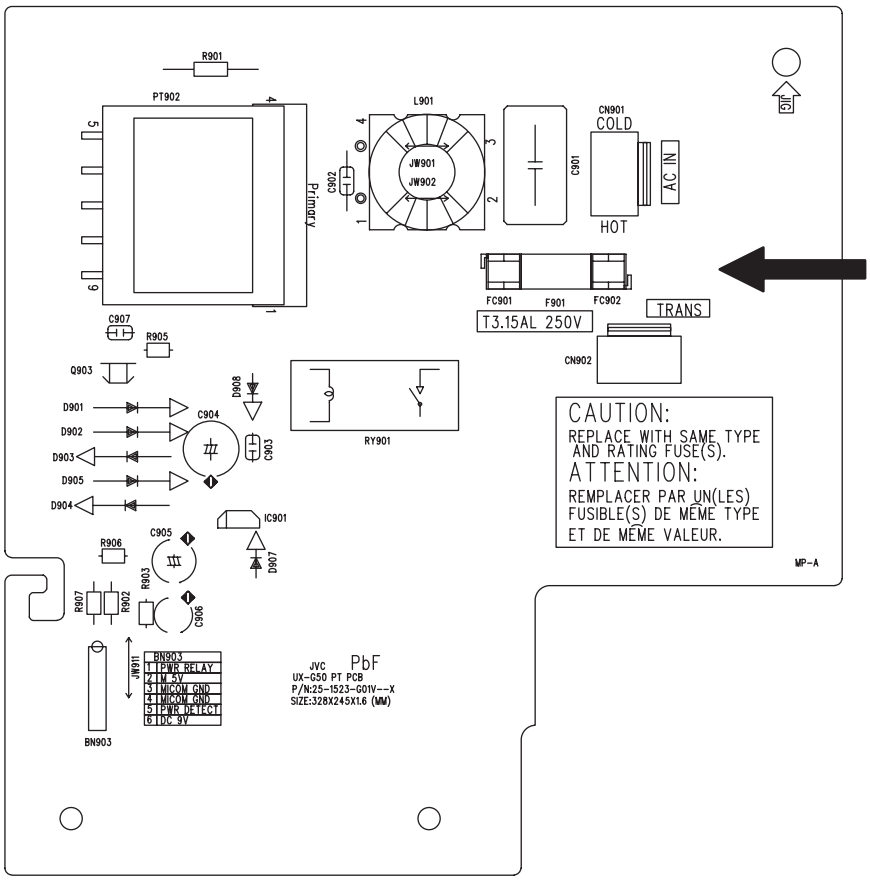
1.7 Attention when traverse unit is decomposed

***Please refer to "Disassembly method" in the text for the pickup unit.**

- Apply solder to the short land sections before the flexible wire is disconnected from the connecto on the servo board. (If the flexible wire is disconnected without applying solder, the pickup may be destroyed by static electricity.)
- In the assembly, be sure to remove solder from the short land sections after connecting the flexible wire.



1.8 Importance administering point on the safety



Full Fuse Replacement Marking	**Marquage Pour Le Remplacement Complet De Fusible**
Graphic symbol mark (This symbol means fast blow type fuse.) should be read as follows ;	Le symbole graphique (Ce symbole signifie fusible de type á fusion rapide.) doit être interprété comme suit ;
FUSE CAUTION	**PRECAUTIONS SUR LES FUSIBLES**
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATING OF FUSES ; F901 : 3.15A 250V	**POUR UNE PROTECTION CONTINUE CONTRE DES RISQUES D'INCENDIE, REMPLACER SEULEMENT PAR UN FUSIBLE DU MEME TYPE ;** F901 : 3.15A 250V

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3
DISASSEMBLY

3.1 Main body

3.1.1 Removing the metal plate (See Fig.1 and 2)

(1) Remove the six screws **A** attaching the metal plate from back side of main body. (See Fig.1)
(2) Remove the four screws **B** attaching the metal plate from both side of main body. (See Fig.2)

3.1.2 Removing the top cover (See Fig.1 and 3)

(1) Remove the one screw **C** attaching the top cover from back side of main body. (See Fig.1)
(2) Remove the two screws **D** attaching the top cover from both side of main body. (See Fig.3)
(3) Disengage hook **a** on both side of the front panel. (See Fig.3)

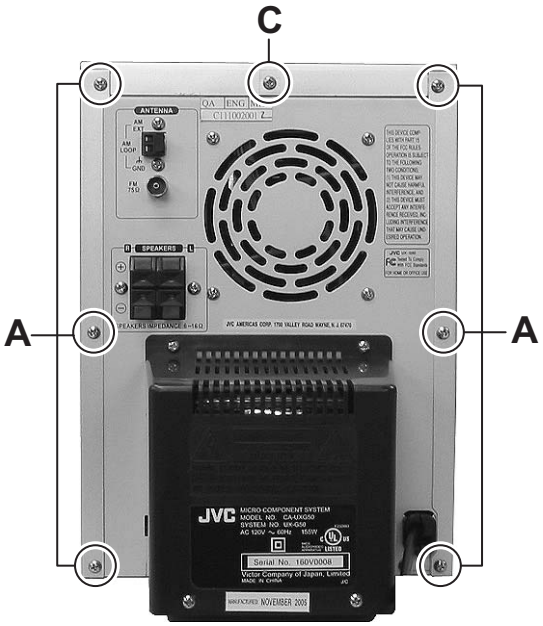


Fig.1

Fig.2

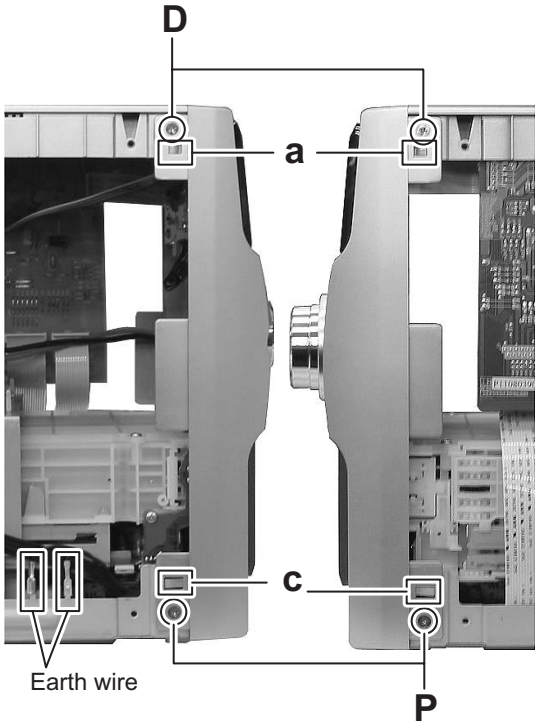


Fig.3

3.1.3 Removing the main board (See Fig.4)

(1) Remove the two screws **E** attaching the main board. (See Fig.4)
(2) Disconnect the card wires connected to connector CN402, CN411, CN412, CN661 and CN681 of main board.
(3) Disconnect the connector wire connected to connector CN671 of main board.
(4) Disconnect the board connector connected connector CN501 and CN601 between amp board and main board.

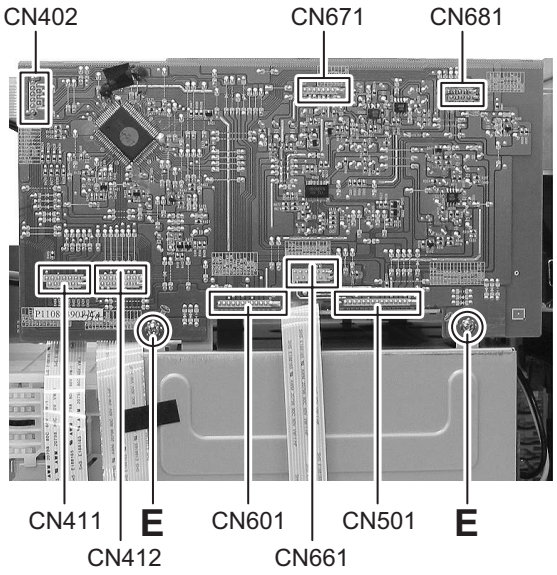


Fig.4

3.1.4 Removing the power board (See Fig.5 and 6)

(1) Remove the two screws **F** attaching the power board. (See Fig.5)
(2) Disconnect the power cord connected connector CN901 and power transformer connector wire connected connector CN902 of power board. (See Fig.5)
(3) Disconnect the connector wire connected connector CN102 of amp board.(See Fig.6)

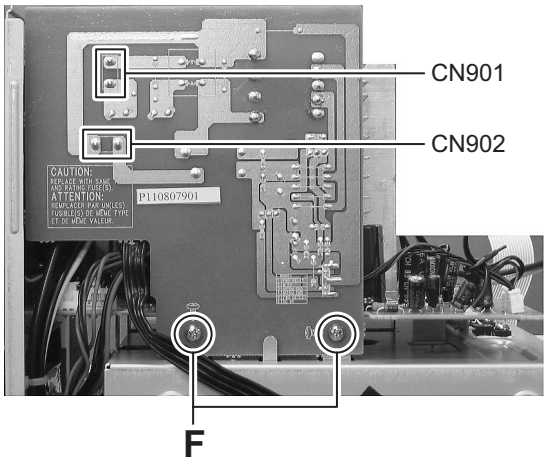


Fig.5

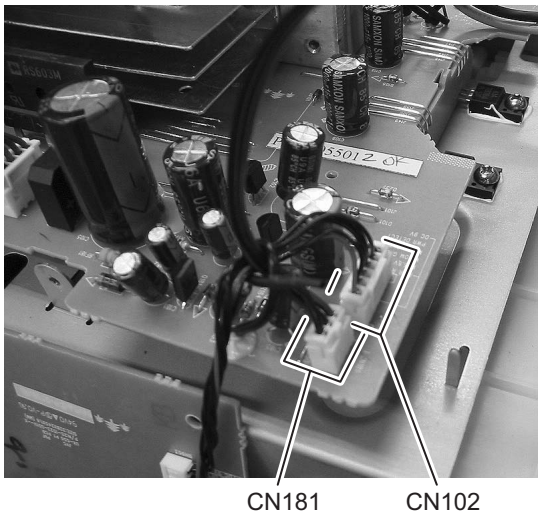


Fig.6

3.1.5 Removing the rear plate
(See Fig.7 and 8)

(1) Remove the four screws **G** attaching the trans cover. (See Fig.7)
(2) Remove the one screw **H** attaching the rear plate. (See Fig.7)
(3) Remove the two screws **J** attaching the speaker terminal. (See Fig.7)
(4) Disengage hook **b** on both side of main chassis. (See Fig.8)
(5) Disconnect the connector wire from fan connected connector CN105 of amp board.(See Fig.8)

3.1.6 Removing the fan
(See Fig.7)

(1) Remove the four screws **K** attaching the fan.

3.1.7 Removing the tuner pack
(See Fig.7)

(1) Remove the two screws **L** attaching the tuner pack.

3.1.8 Removing the amp board
(See Fig.6, 8 and 9)

(1) Disconnect the connector wire connected to connector CN181, CN204, CN205 and CN206 of the amp board. (See Fig.6 and 8)
(2) Remove the seven screws **M** attaching the amp board. (See Fig.9)

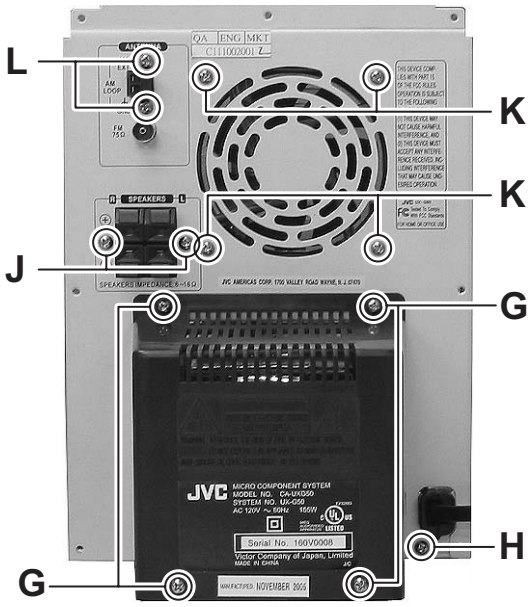


Fig.7

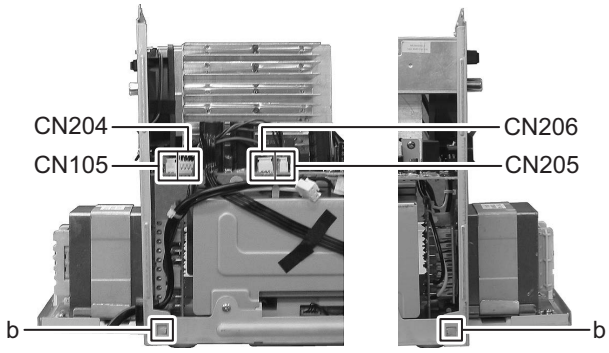


Fig.8

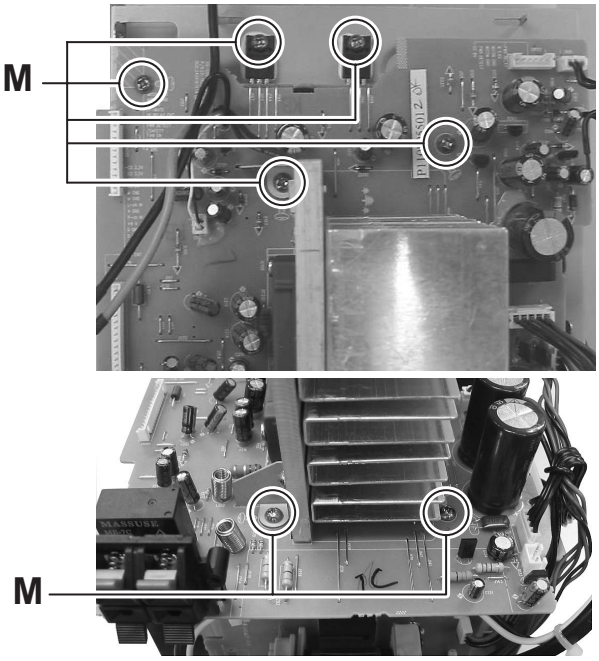


Fig.9

3.1.9 Removing the front panel
(See Fig.3 & 10)

(1) Remove the two screws **N** attaching the front panel assembly. (See Fig.10)
(2) Remove the two screws **P** attaching the front panel assembly. (See Fig.3)
(3) Disconnect the earth wires from main chassis. (See Fig.3)
(4) Disengage hook **c** on the both side of main chassis. (See Fig.3)

Fig.10

3.1.10 Removing the front board
(See Fig.11)

(1) Disconnect the connector wire connected connector CN301 of front board.
(2) Remove the four screws **Q** attaching the front board.

3.1.11 Removing the key board
(See Fig.11)

(1) Disconnect the volume knob.
(2) Remove the eleven screws **R** attaching the key board.

3.1.12 Removing the USB board
(See Fig.11)

(1) Remove the four screws **S** attaching the USB board.

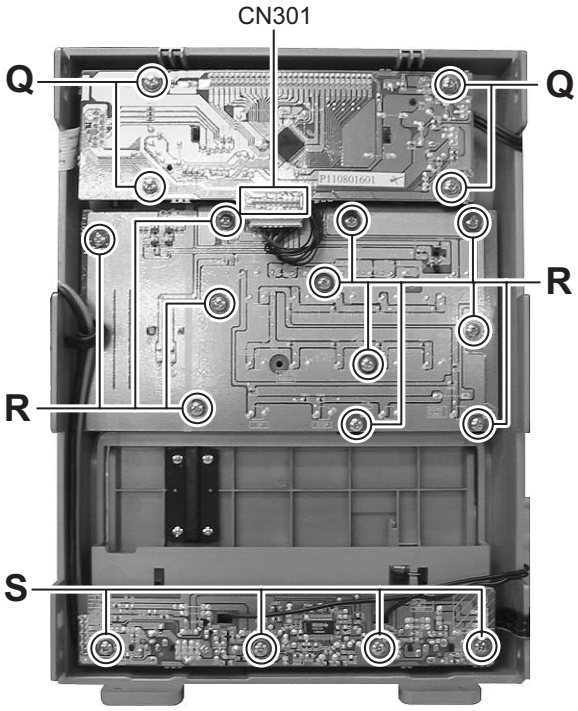


Fig.11

3.1.13 Removing the power transformer
(See Fig.12)

(1) Remove the four screws **T** attaching the power transformer.

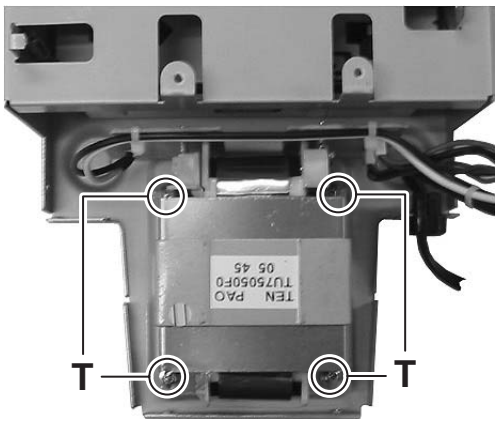


Fig.12

3.1.14 Removing the CD mecha cover
(See Fig.13 to 15)

(1) Remove the four screws **U** attaching the CD mecha cover. (See Fig.13)
(2) Remove the two screws **V** attaching the CD mecha holder F. (See Fig.14)
(3) Remove the two screws **W** attaching the CD mecha holder R. (See Fig 15)

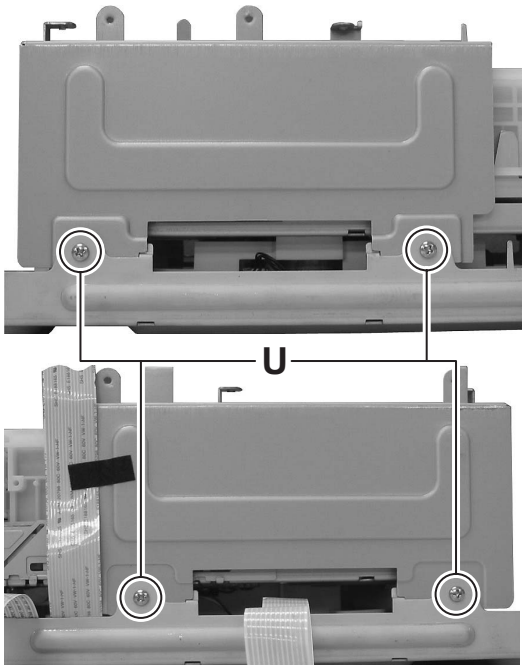


Fig.13

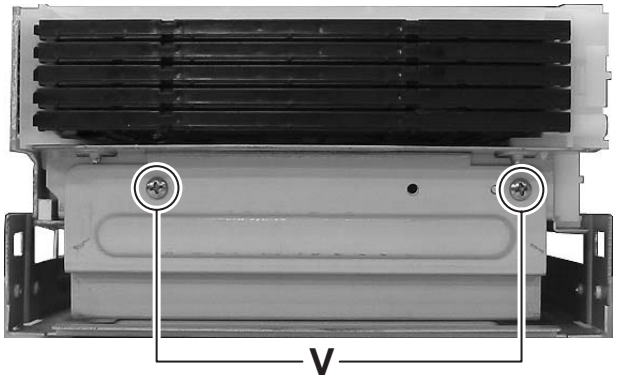


Fig.14

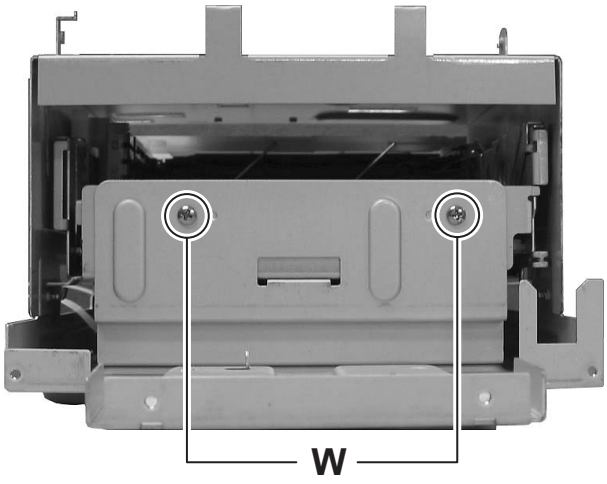


Fig.15

3.1.15 Removing the CD board
(See Fig.16 to 18)

(1) Disconnect the card wire from connector CN871 of CD board. (See Fig.16)
(2) Disconnect the connector wire connected to connector CN872 and CN873 of CD board. (See Fig.16)
(3) Disconnect the connector wire from CN702 of CD board connected to motor board connector. (See Fig.17)
(4) Remove the four screws **X** attaching the CD board. (See Fig.16)
(5) Solder the short land section of the CD pickup. (See Fig.18)

Caution:

- Solder the short land section of the CD pickup before disconnecting the card wire from the connector on the CD pickup. If the card wire id disconnected without attaching the solders, the pick up may be destroyed by static electricity.
- When attaching the CD pickup, be sure to remove solders from the short land section after connecting the card wire to the connector on the CD pickup.

(6) Disconnect the card wire from connector of CD pickup. (See Fig.18)

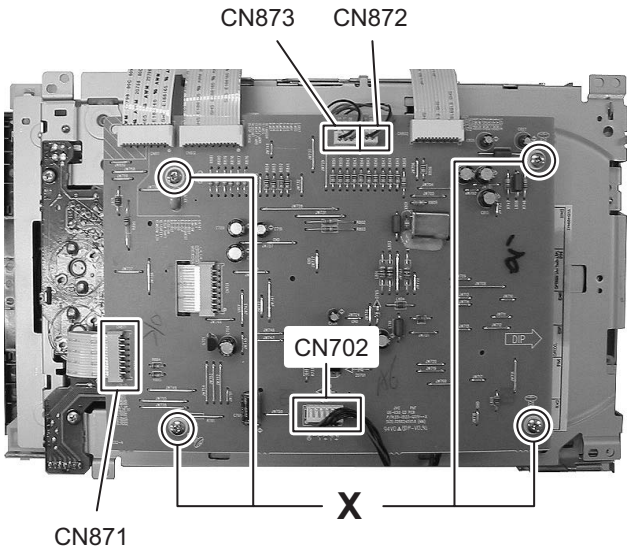


Fig.16

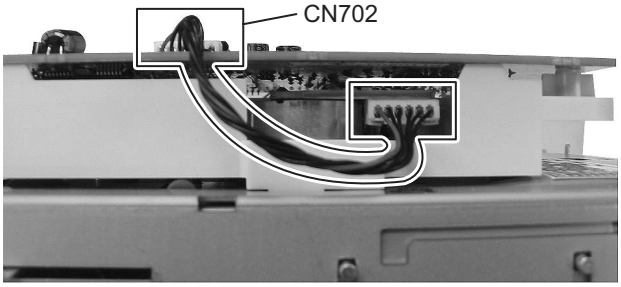


Fig.17

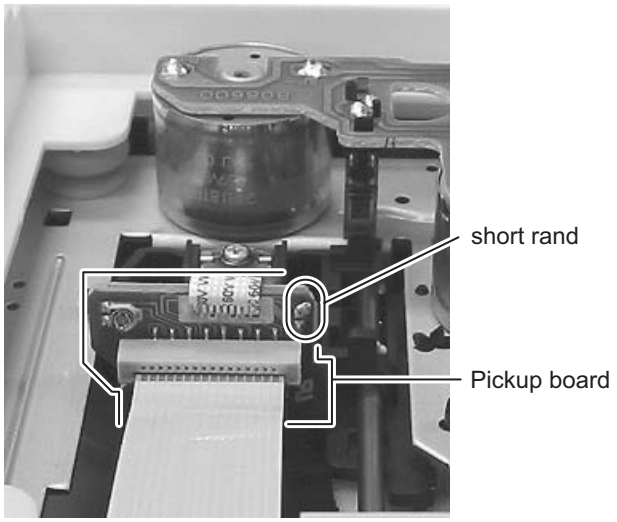


Fig.18

3.1.16 Removing the CD mechanism
(See Fig.19)

(1) Remove the three screws **Y** attaching the CD mechanism.

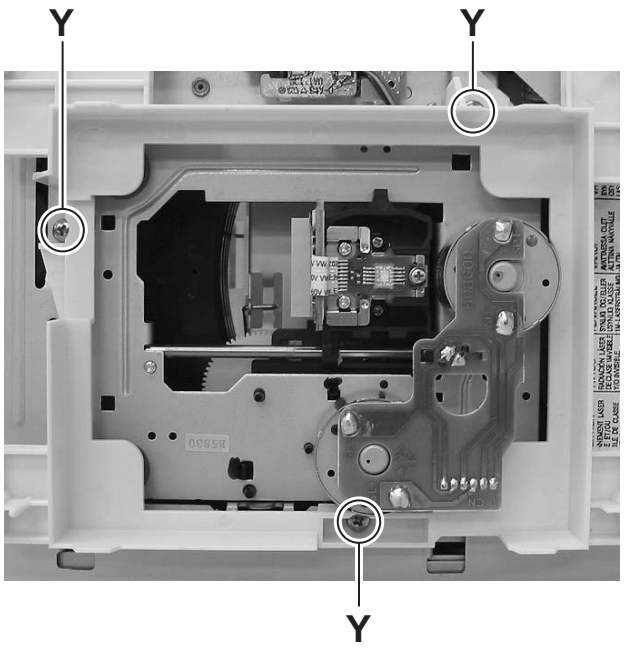


Fig.19

SECTION 4
ADJUSTMENT

This service manual does not describe ADJUSTMENT.

SECTION 5
TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.

JVC
Victor Company of Japan, Limited
Audio/Video Systems Category 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB509)

Printed in Japan
VPT

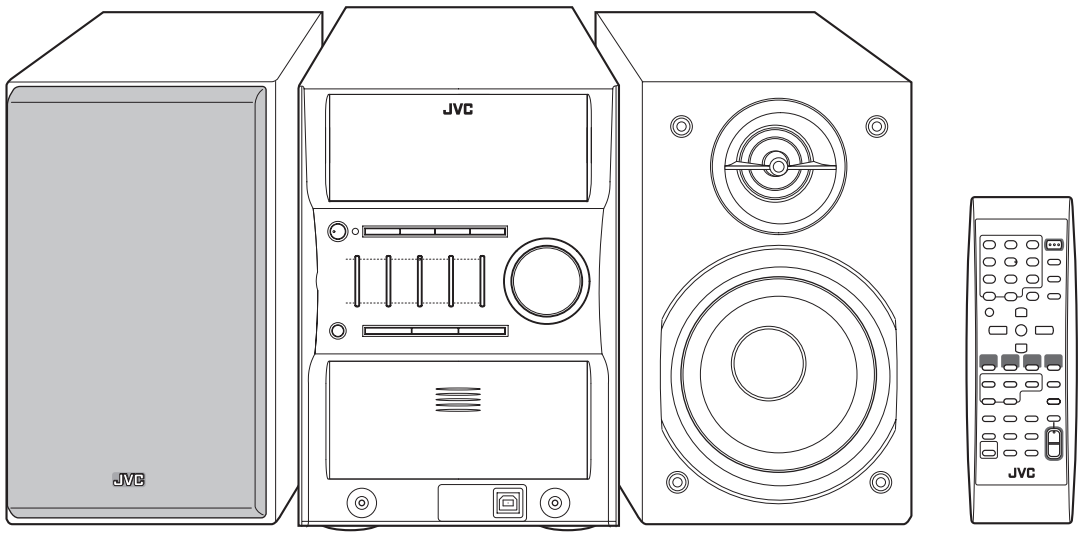
JVC

SCHEMATIC DIAGRAMS

MICRO COMPONENT SYSTEM

UX-G50J,UX-G50C

CD-ROM No.SML200603



SP-UXG50 CA-UXG50 SP-UXG50

COMPACT disc DIGITAL AUDIO

MP3 PLAYBACK

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Contents

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2006/3

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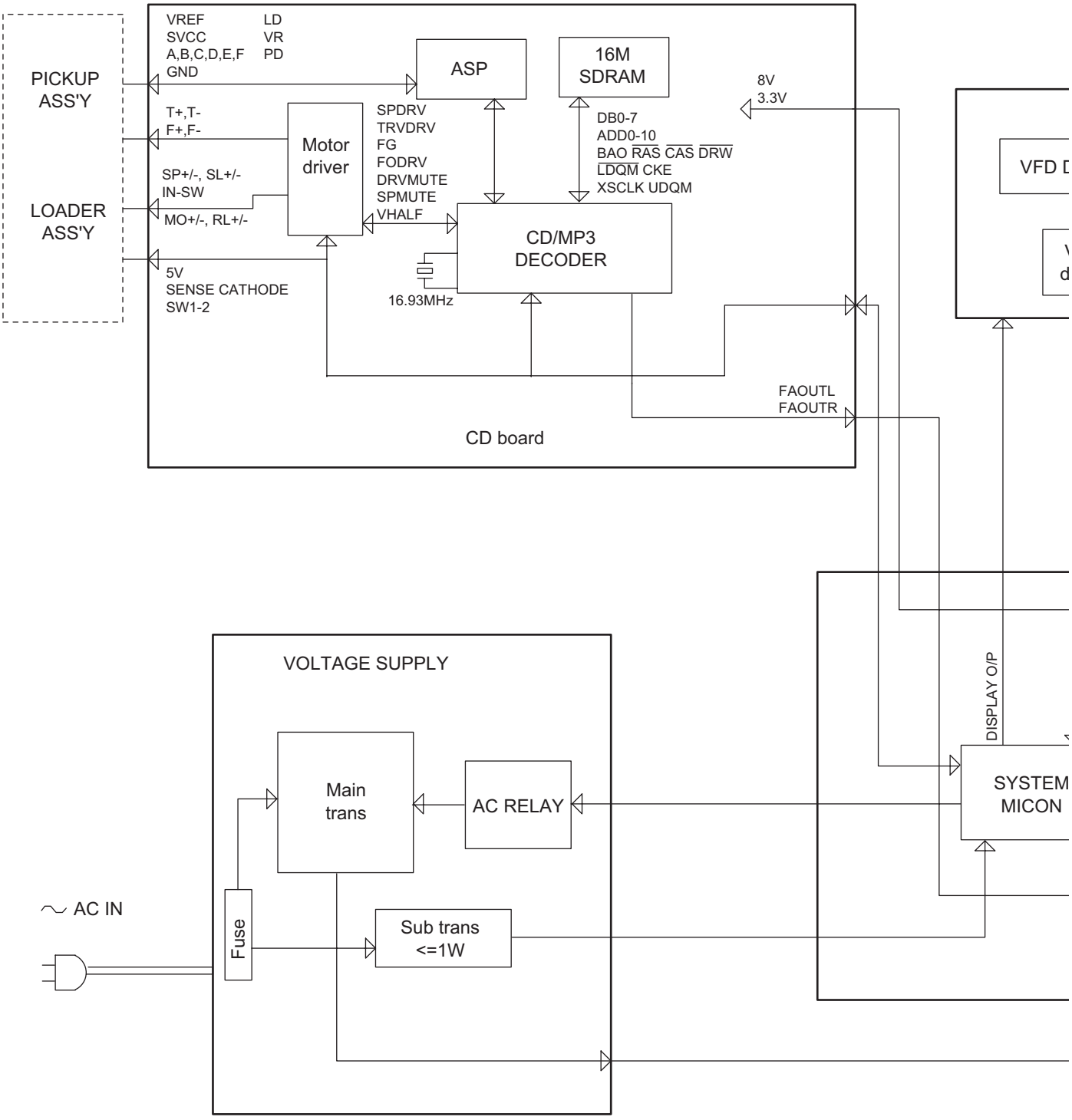
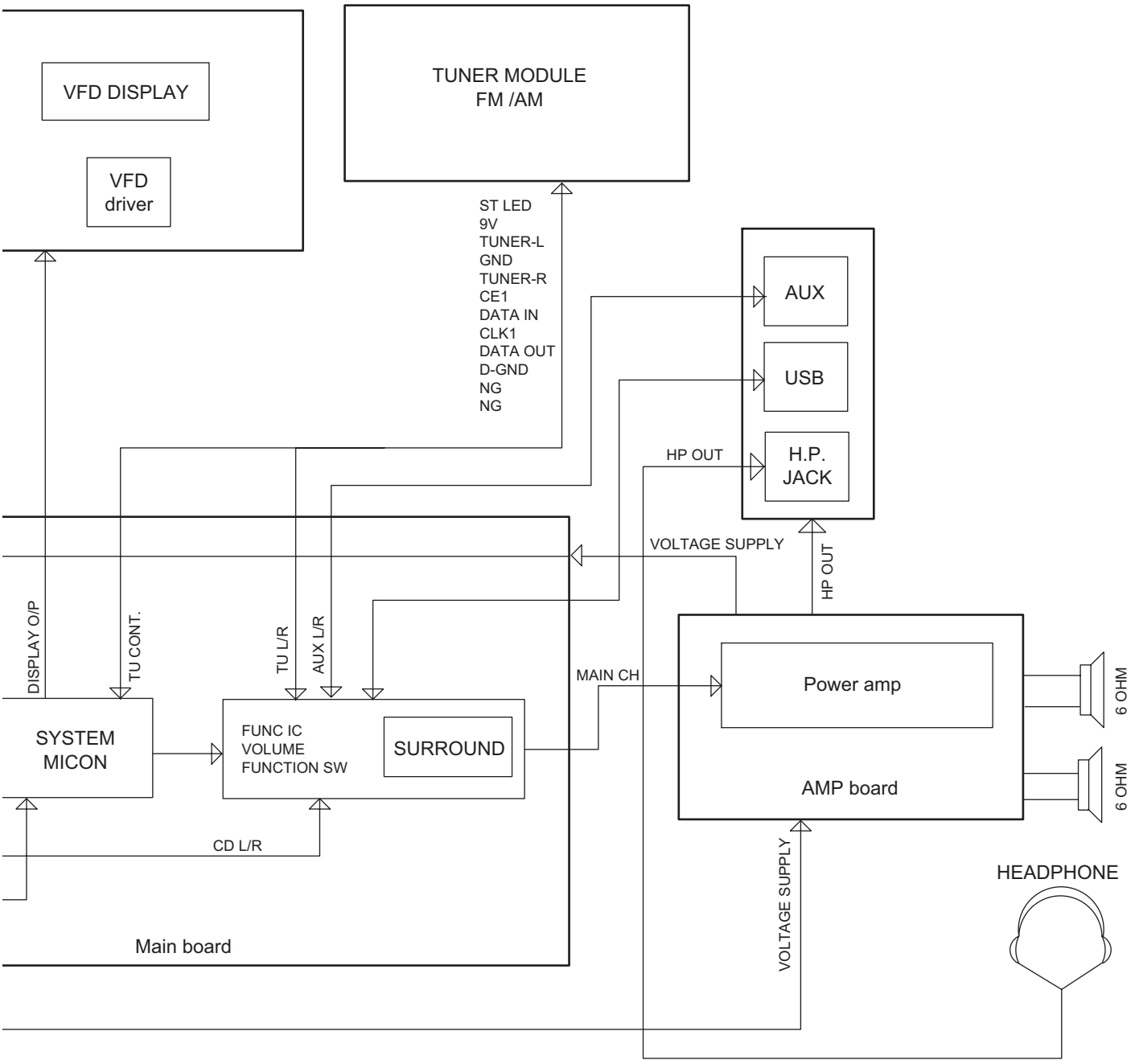
< MEMO >

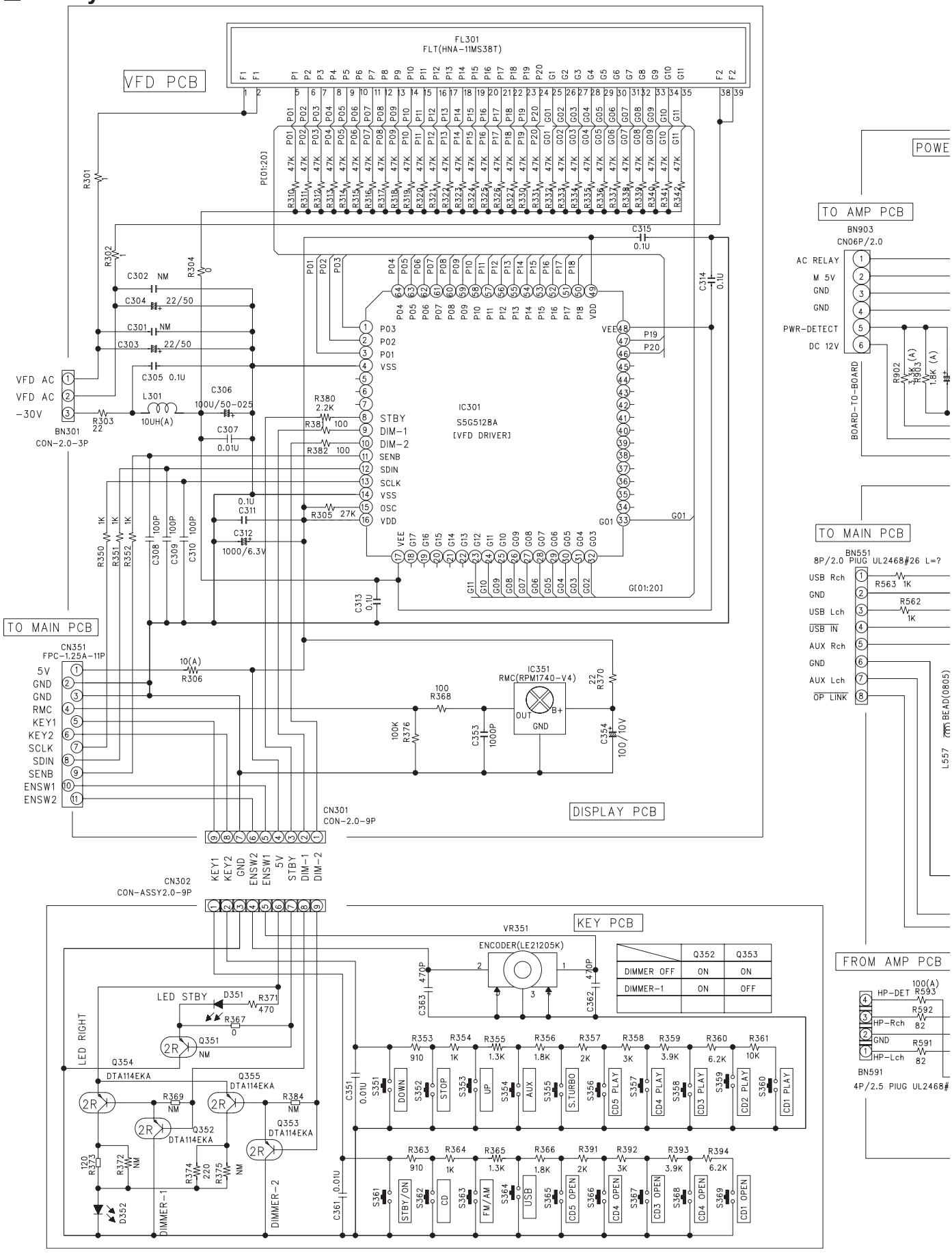
Block diagram

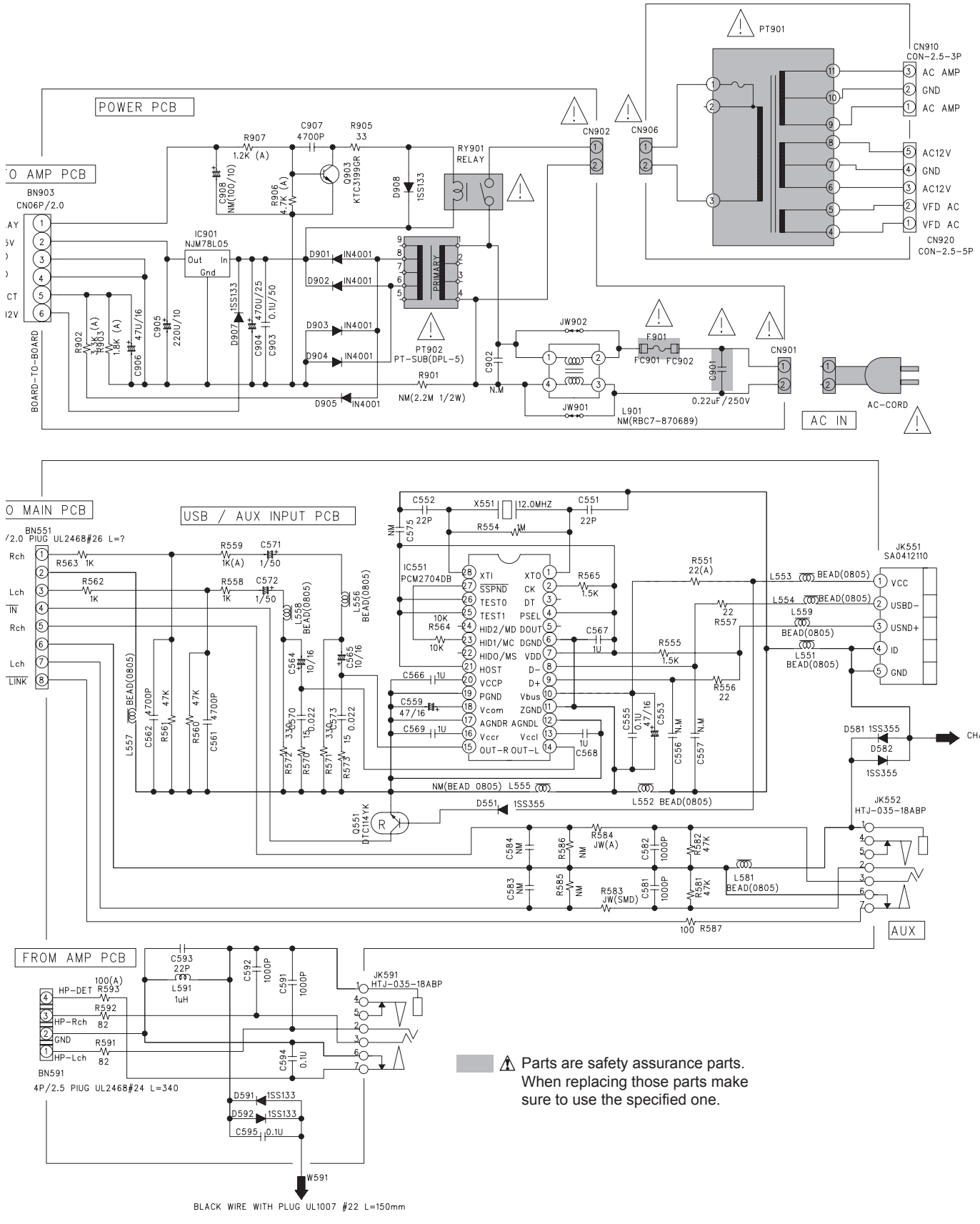



VFD DISPLAY
VFD driver
TUNER MODULE
FM /AM
ST LED
9V
TUNER-L
GND
TUNER-R
CE1
DATA IN
CLK1
DATA OUT
D-GND
NG
NG
AUX
USB
H.P. JACK
HP OUT
VOLTAGE SUPPLY
HP OUT
DISPLAY O/P
TU CONT.
TU L/R
AUX L/R
MAIN CH
Power amp
6 OHM
6 OHM
SYSTEM MICON
FUNC IC
VOLUME
FUNCTION SW
SURROUND
AMP board
CD L/R
VOLTAGE SUPPLY
HEADPHONE
Main board

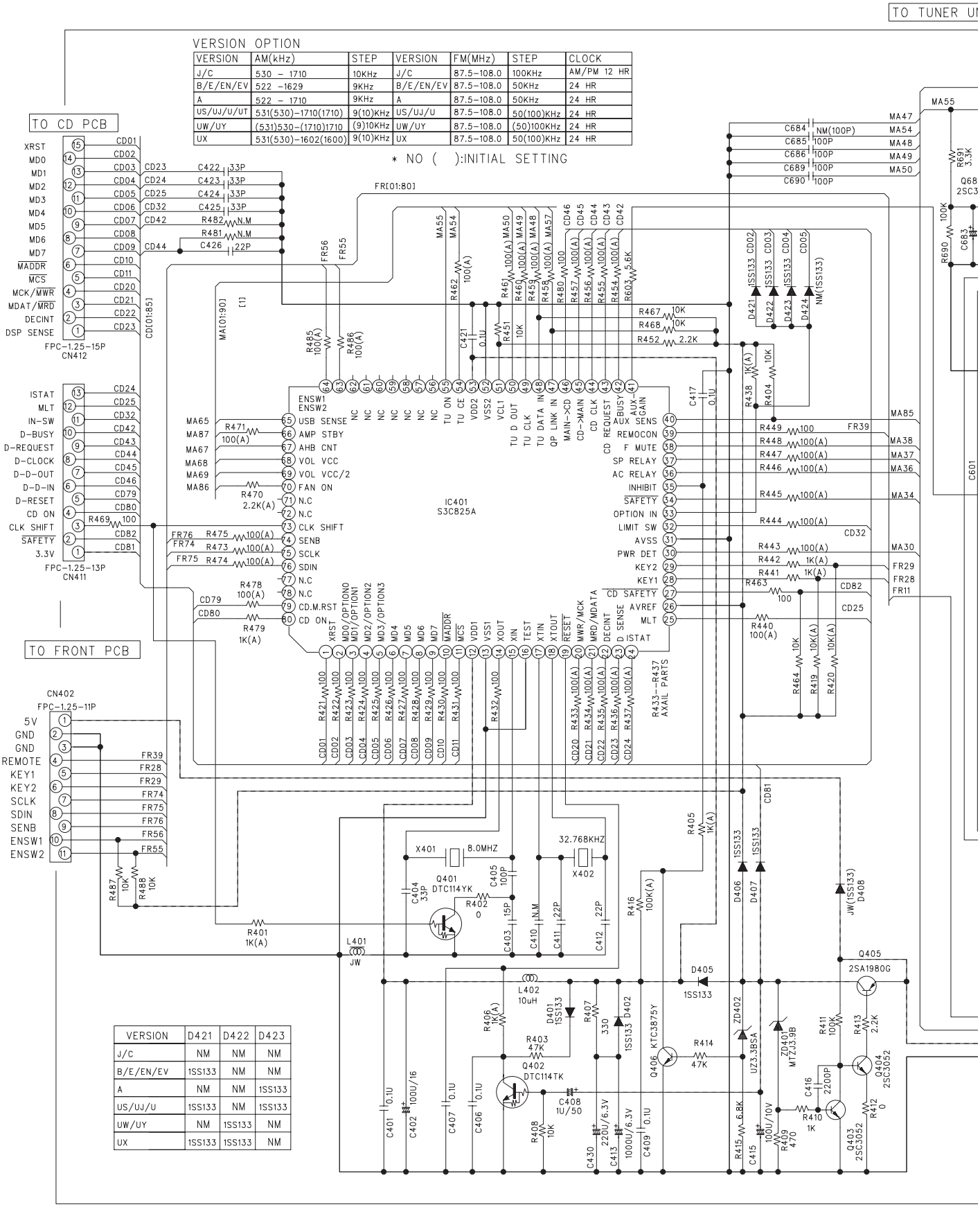
Standard schematic diagrams

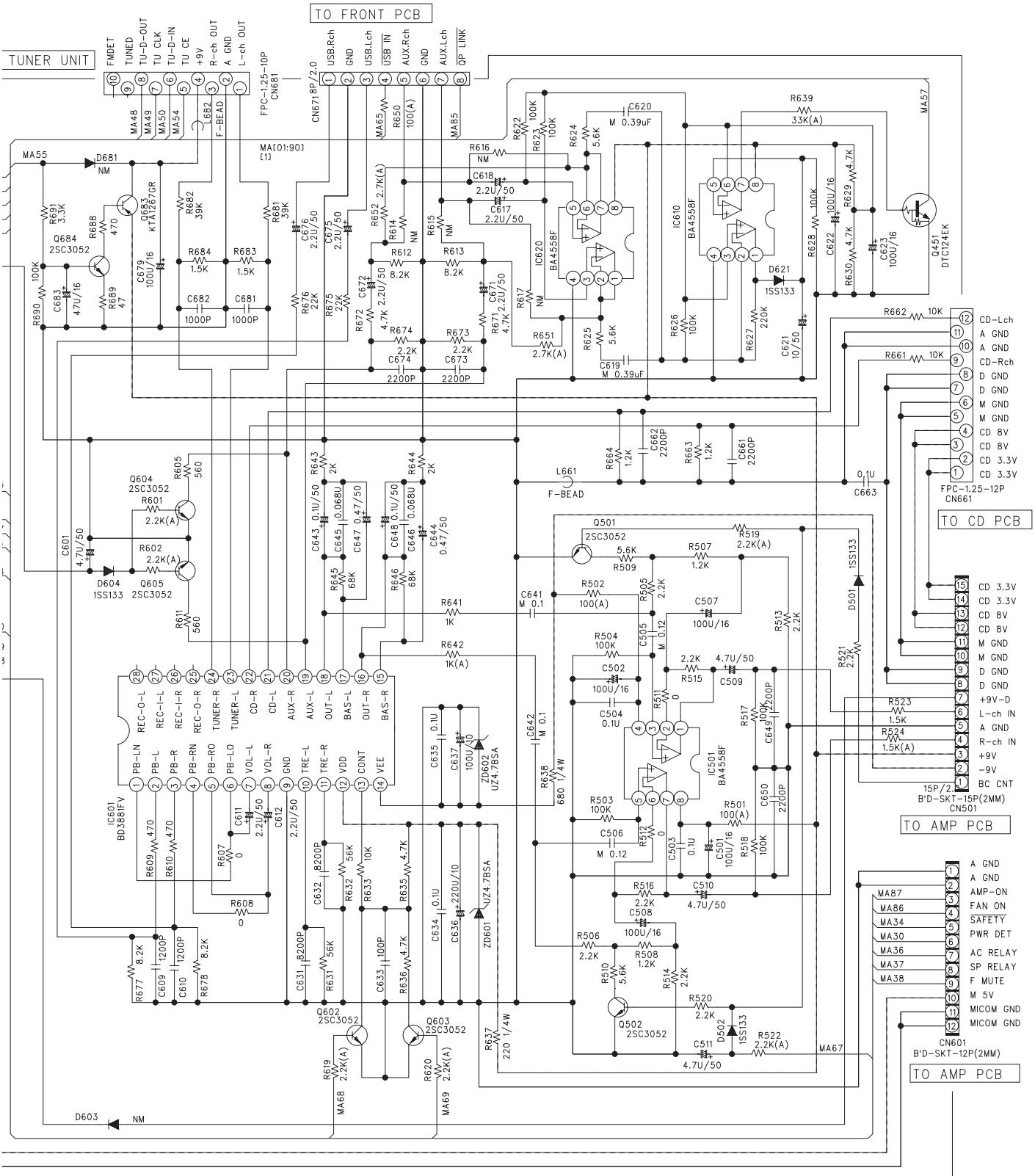
■ Primay / Front section



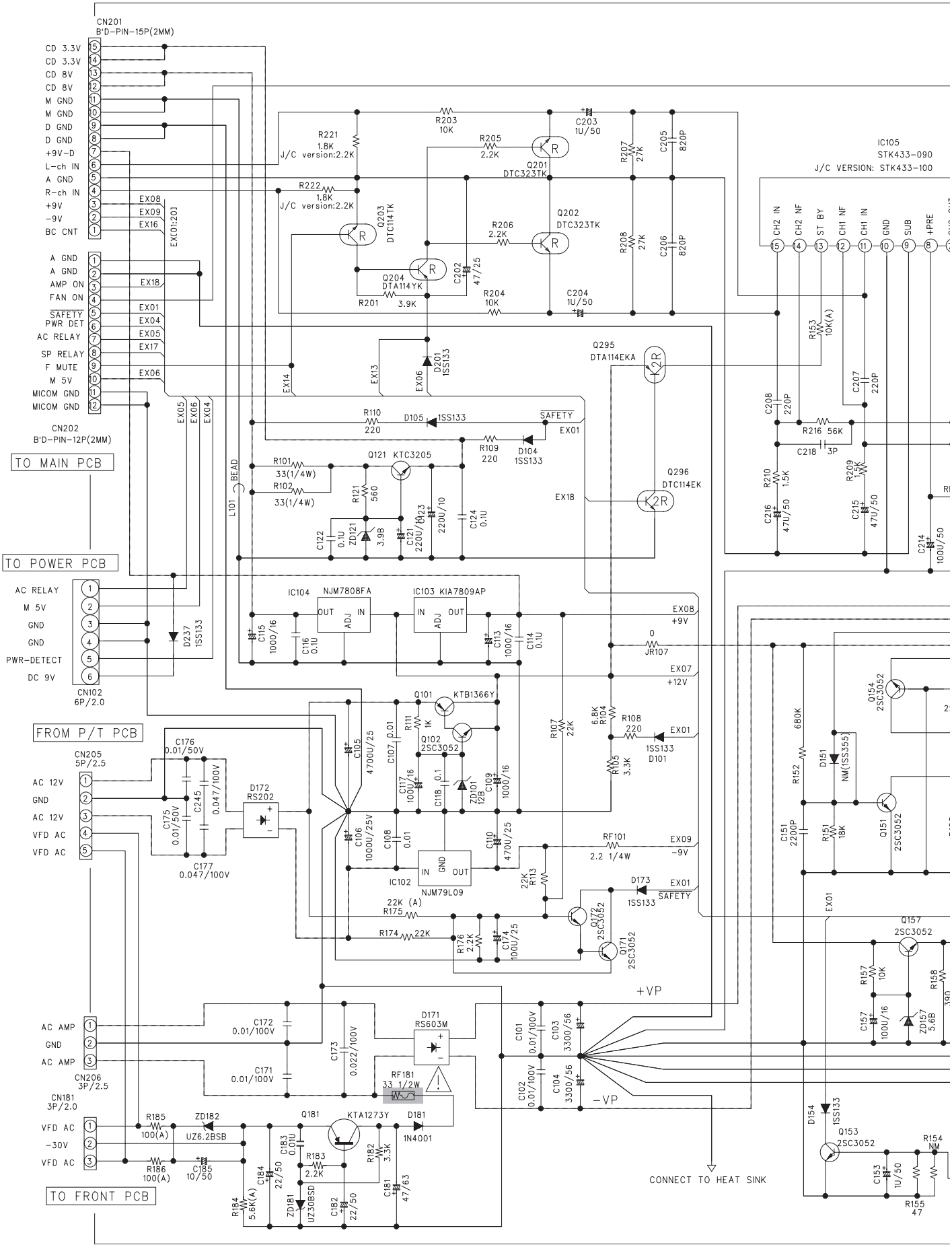

POWER PCB
O AMP PCB
BN903
CN06P/2.0
BOARD-TO-BOARD
IC901
NJM78L05
Out In
Gnd
R907
1.2K (A)
C907
4700P
R905
33
C908
NM(100/10)
R906
4.7K (A)
Q903
KTC3199GR
D908
1SS133
RY901
RELAY
PRIMARY
D901 IN4001
D902 IN4001
D903 IN4001
D904 IN4001
D905 IN4001
D907 1SS133
R902
3.3K (A)
R903
1.5K (A)
C906
47U/16
C905
220U/10
C904
470U/25
C903
0.1U/50
PT902
PT-SUB(DPL-5)
R901
NM(2.2M 1/2W)
C902
N.M
JW902
JW901
L901
NM(RBC7-870689)
F901
FC901 FC902
C901
0.22uF/250V
CN902
CN906
CN901
AC IN
AC-CORD
PT901
CN910
CON-2.5-3P
AC AMP
GND
AC AMP
AC12V
GND
AC12V
VFD AC
VFD AC
CN920
CON-2.5-5P
O MAIN PCB
USB / AUX INPUT PCB
BN551
/2.0 PIUG UL2468#26 L=?
Rch
Lch
IN
Rch
Lch
LINK
R563 1K
R562
1K
R559
1K(A)
C571
1/50
R558
1K
C572
1/50
L558
BEAD(0805)
L556
BEAD(0805)
L557
BEAD(0805)
C562
4700P
R561
47K
R560
47K
C561
4700P
C564
10/16
C565
10/16
R572
330
C570
0.022
R570
15
R571
330
C573
0.022
R573
15
C552
22P
X551
12.0MHZ
C551
22P
NM
C575
22P
R554
1M
IC551
PCM2704DB
XTI
SSPND
TEST0
TEST1
HID2/MD
HID1/MC
HID0/MS
HOST
VCCP
PGND
Vcom
AGNDR
Vccr
OUT-R
XTO
CK
DT
PSEL
DOUT
DGND
VDD
D-
D+
Vbus
ZGND
AGNDL
Vccl
OUT-L
R565
1.5K
10K
R564
10K
C567
1U
C566
1U
C559
47/16
C569
1U
C568
1U
R551
22(A)
R557
22
R555
1.5K
R556
22
C555
0.1U
C553
47/16
C556
N.M
C557
N.M
L553
BEAD(0805)
L554
BEAD(0805)
L559
BEAD(0805)
L551
BEAD(0805)
JK551
SA0412110
VCC
USBD-
USND+
ID
GND
D581 1SS355
D582
1SS355
CHASSISS
NM(BEAD 0805) L555
L552 BEAD(0805)
D551 1SS355
Q551
DTC114YK
JK552
HTJ-035-18ABP
C584
NM
C583
NM
R586
NM
R585
NM
R584
JW(A)
R583
JW(SMD)
C582
1000P
C581
1000P
R582
47K
R581
47K
L581
BEAD(0805)
100 R587
AUX
FROM AMP PCB
BN591
4P/2.5 PIUG UL2468#24 L=340
HP-DET
HP-Rch
GND
HP-Lch
100(A)
R593
R592
82
R591
82
C593
22P
L591
1uH
C592
1000P
C591
1000P
C594
0.1U
JK591
HTJ-035-18ABP
D591 1SS133
D592 1SS133
C595 0.1U
W591
BLACK WIRE WITH PLUG UL1007 #22 L=150mm
Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

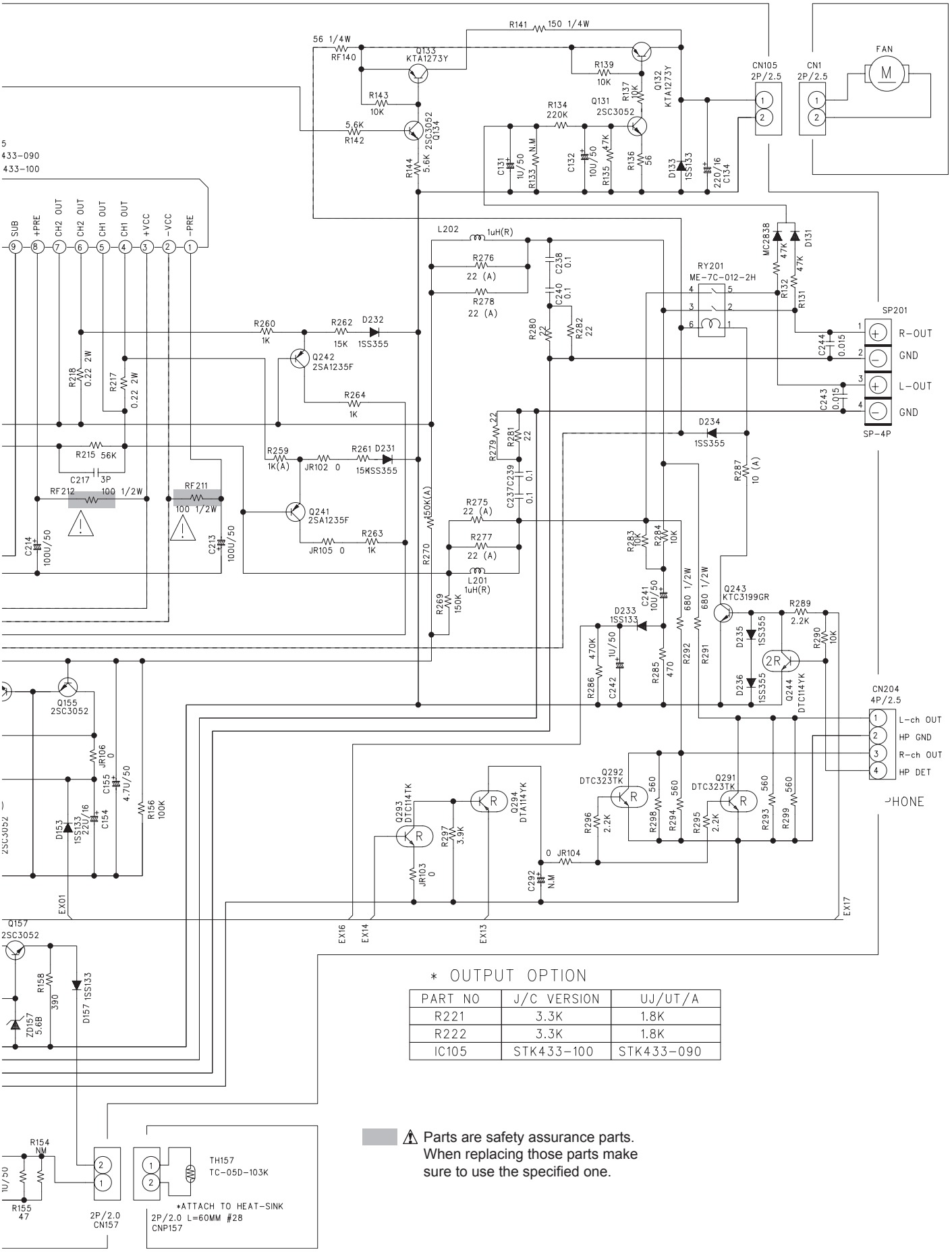
■ Main section




TUNER UNIT
TO FRONT PCB
FMDET
TUNED
TU-D-OUT
TU CLK
TU-D-IN
TU CE
+9V
R-ch OUT
A GND
L-ch OUT
FPC-1.25-10P
CN681
CN6718P/2.0
USB.Rch
GND
USB.Lch
USB IN
AUX.Rch
GND
AUX.Lch
QP LINK
MA[01:90]
[1]
TO CD PCB
FPC-1.25-12P
CN661
TO AMP PCB
15P/2.0
B'D-SKT-15P(2MM)
CN501
CN601
B'D-SKT-12P(2MM)
IC601
BD3881FV
IC501
BA4558F
IC610
BA4558F
IC620
BA4558F
Q684
2SC3052
Q683
KTA1267GR
Q604
2SC3052
Q605
2SC3052
Q501
2SC3052
Q502
2SC3052
Q602
2SC3052
Q603
2SC3052
Q451
DTC124EK
D681
NM
D604
1SS133
D603
NM
D621
1SS133
D501
1SS133
D502
1SS133
ZD602
UZ4.7BSA
ZD601
UZ4.7BSA
L661
F-BEAD
F-BEAD
MA55
MA57
MA67
MA68
MA69
MA48
MA49
MA50
MA54
MA65
MA85
MA87
MA86
MA34
MA30
MA36
MA37
MA38

■ Amplifier section



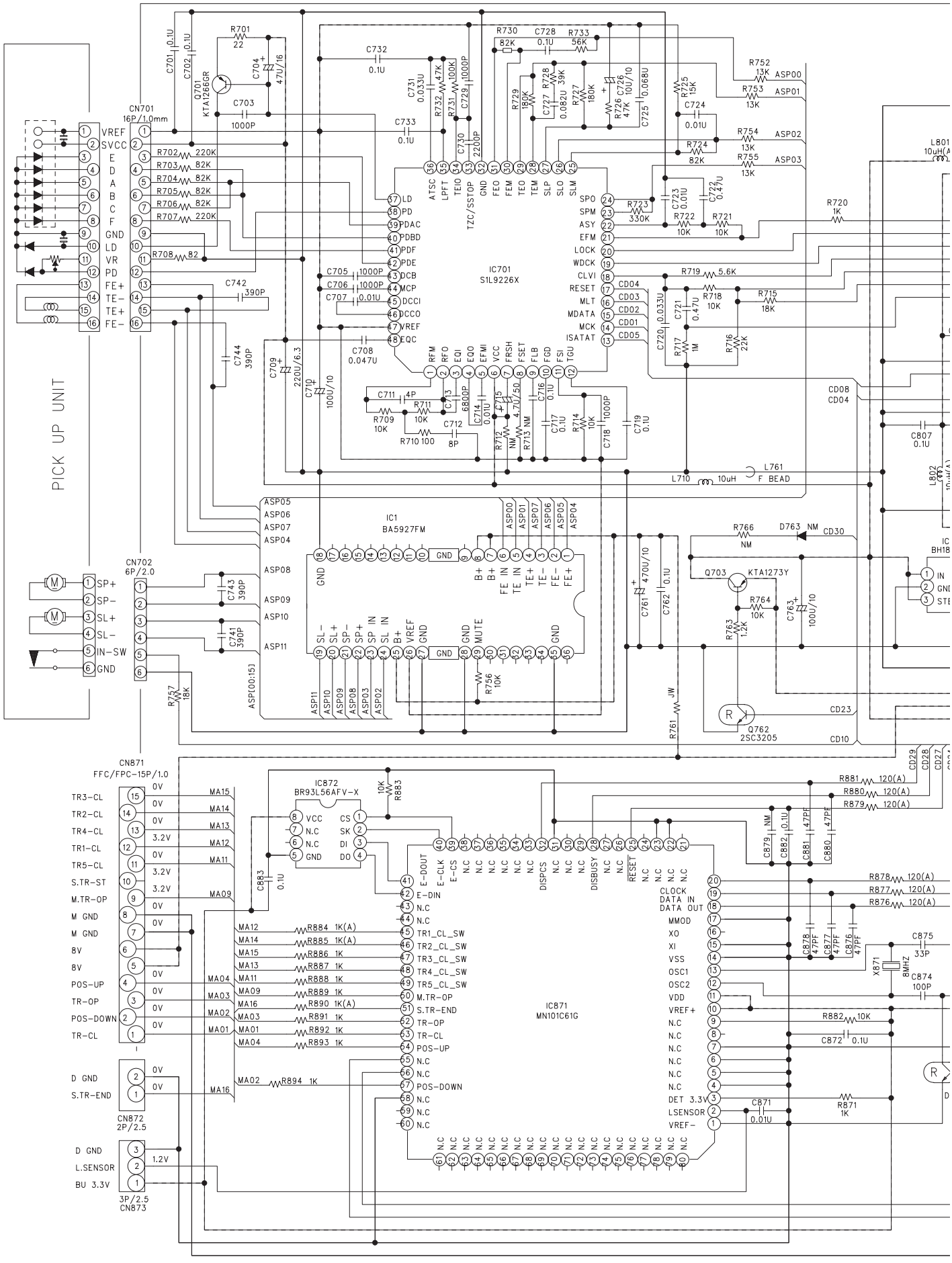


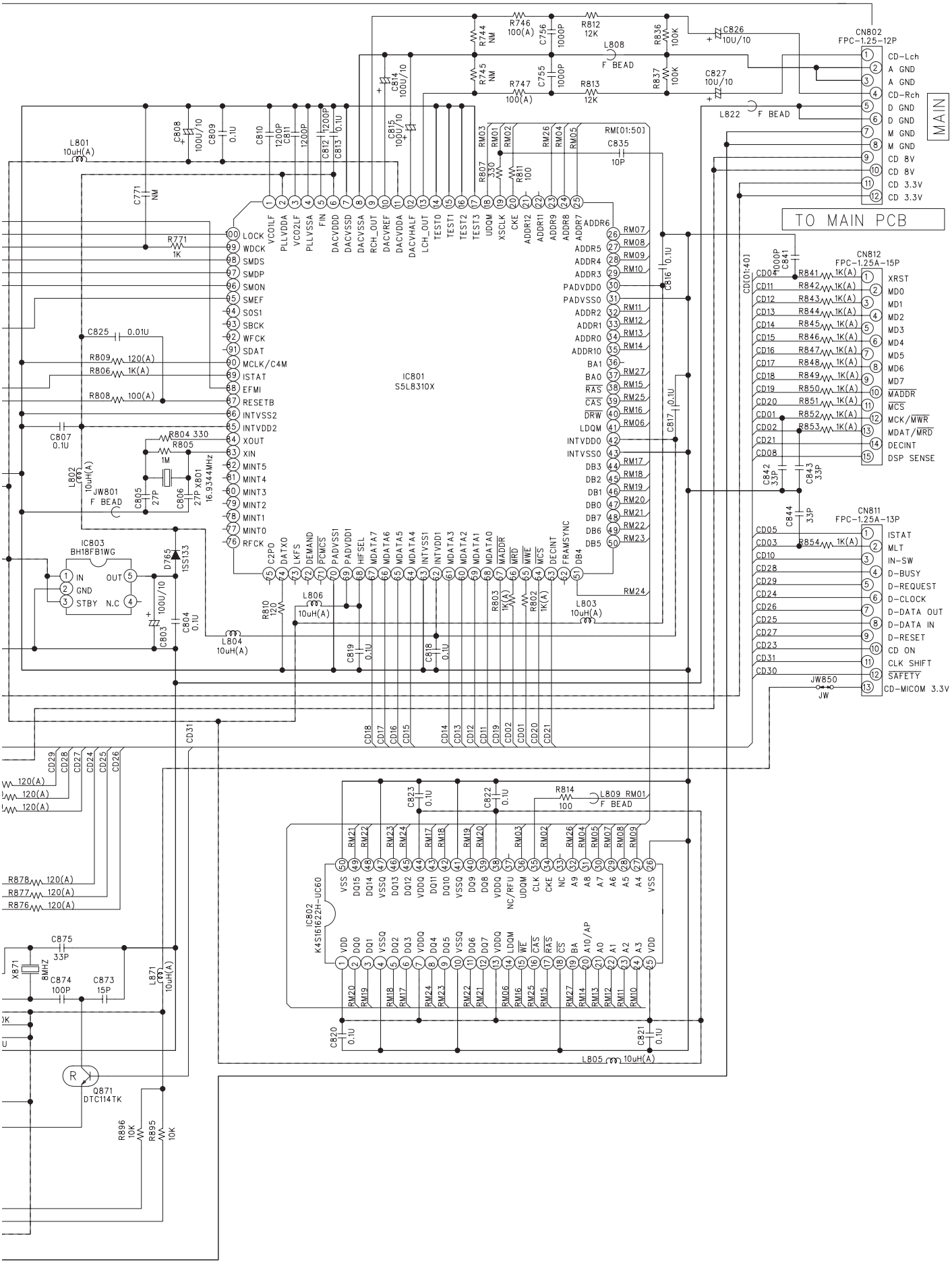
* OUTPUT OPTION

PART NO	J/C VERSION	UJ/UT/A
R221	3.3K	1.8K
R222	3.3K	1.8K
IC105	STK433-100	STK433-090

⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

■ CD servo control section



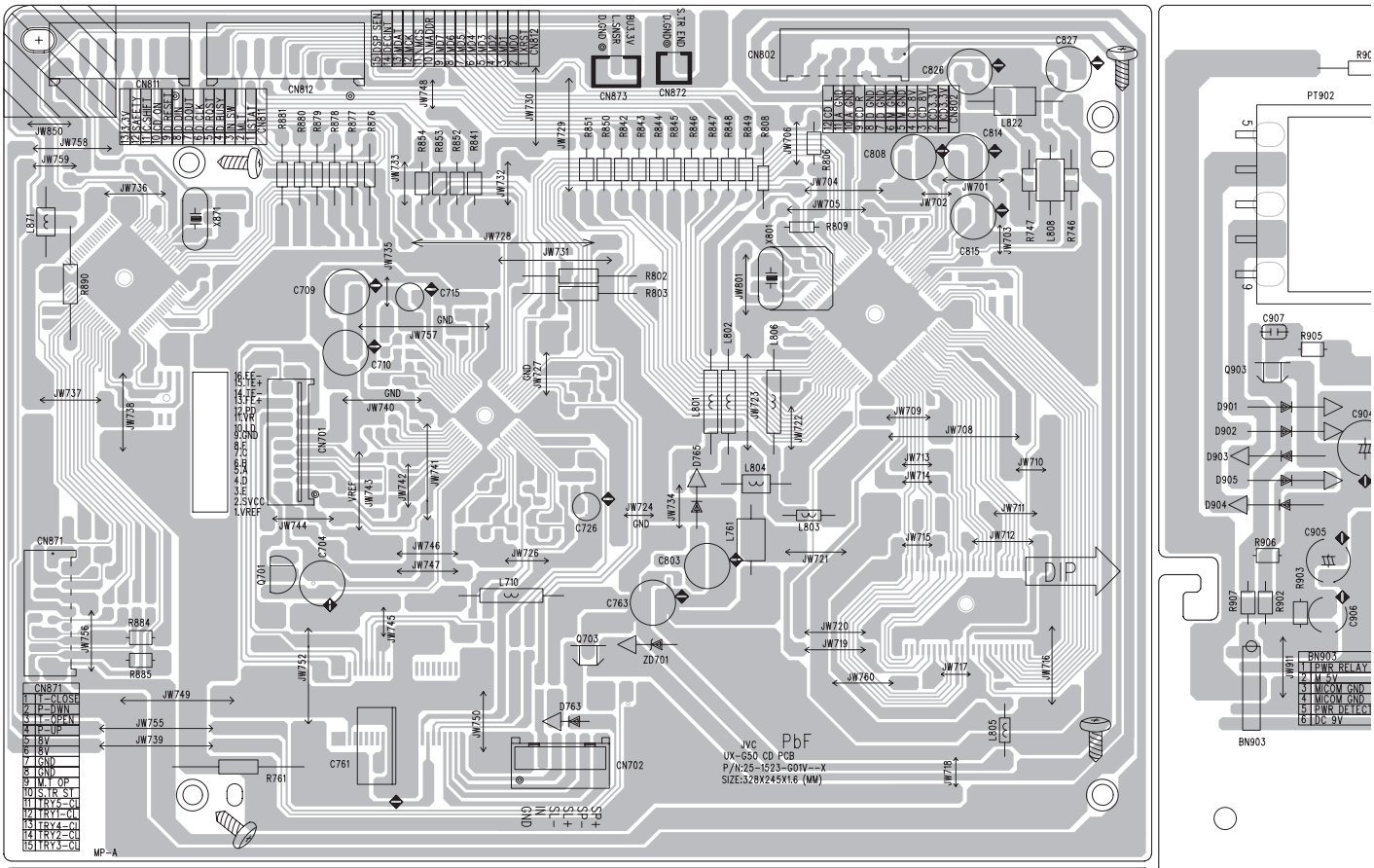

IC801
S5L8310X
IC802
K4S161622H-UC60
IC803
BH18FB1WG
CN802
FPC-1.25-12P
CD-Lch
A GND
A GND
CD-Rch
D GND
D GND
M GND
M GND
CD 8V
CD 8V
CD 3.3V
CD 3.3V
MAIN
TO MAIN PCB
CN812
FPC-1.25A-15P
XRST
MD0
MD1
MD2
MD3
MD4
MD5
MD6
MD7
MADDR
MCS
MCK/MWR
MDAT/MRD
DECINT
DSP SENSE
CN811
FPC-1.25A-13P
ISTAT
MLT
IN-SW
D-BUSY
D-REQUEST
D-CLOCK
D-DATA OUT
D-DATA IN
D-RESET
CD ON
CLK SHIFT
SAFETY
CD-MICOM 3.3V
JW850
L801 10uH(A)
L802 10uH(A)
L803 10uH(A)
L804 10uH(A)
L805 10uH(A)
L806 10uH(A)
L808 F BEAD
L809 RM01 F BEAD
L822 F BEAD
JW801 F BEAD
X801 16.9344MHz
X871 8MHZ
Q871 DTC114TK
D765 1SS133
C826 10U/10
C827 10U/10
C835 10P
C875 33P
C874 100P
C873 15P
R746 100(A)
R747 100(A)
R812 12K
R813 12K
R814 100
R836 100K
R837 100K
R744 NM
R745 NM
C756 1000P
C755 1000P
C814 100U/10
C815 100U/10
C808 100U/10
C809 0.1U
C810 1200P
C811 1200P
C812 1200P
C813 0.1U
C771 NM
R771 1K
C825 0.01U
R809 120(A)
R806 1K(A)
R808 100(A)
C807 0.1U
R804 330
R805 1M
C805 27P
C806 27P
C803 100U/10
C804 0.1U
R810 120
C816 0.1U
C817 0.1U
C818 0.1U
C819 0.1U
C820 0.1U
C821 0.1U
C822 0.1U
C823 0.1U
C841 1000P
C842 33P
C843 33P
C844 33P
R807 330
R811 100
R803 1K(A)
R802 1K(A)
R878 120(A)
R877 120(A)
R876 120(A)
R896 10K
R895 10K
RM[01:50]
RM01
RM02
RM03
RM04
RM05
RM06
RM07
RM08
RM09
RM10
RM11
RM12
RM13
RM14
RM15
RM16
RM17
RM18
RM19
RM20
RM21
RM22
RM23
RM24
RM25
RM26
RM27
CD[01:40]
CD01
CD02
CD03
CD04
CD05
CD08
CD10
CD11
CD12
CD13
CD14
CD15
CD16
CD17
CD18
CD19
CD20
CD21
CD23
CD24
CD25
CD26
CD27
CD28
CD29
CD30
CD31
CD51
CD52
CD53
CD54
CD55
CD56
CD57
CD58
CD59
CD60
CD61
CD62
CD63
CD64
CD65
CD66
CD67
CD68
CD69
CD70
CD71
CD72
CD73
CD74
CD75
CD76
CD77
CD78
CD79
CD80

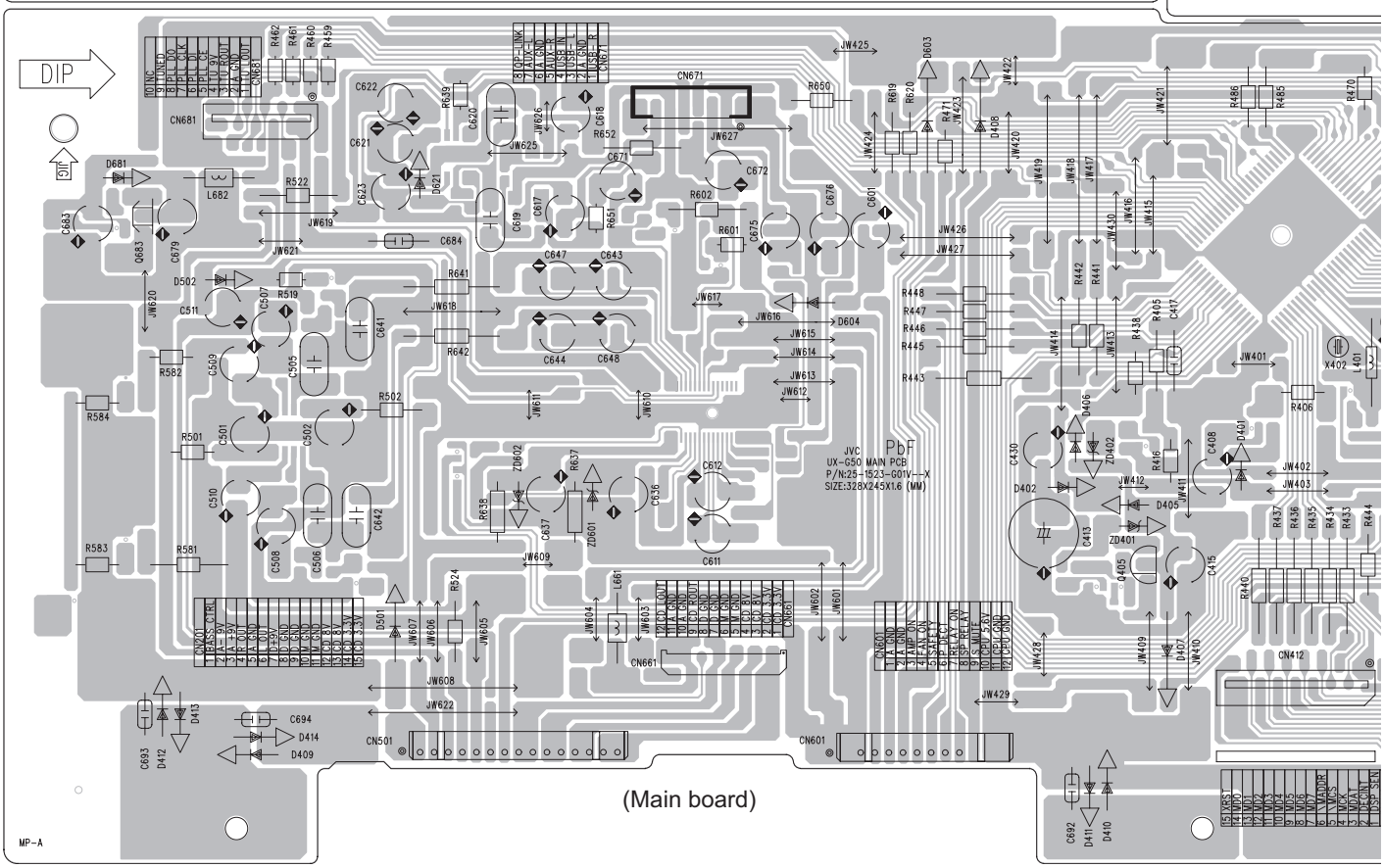
Printed circuit boards

■ Main board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

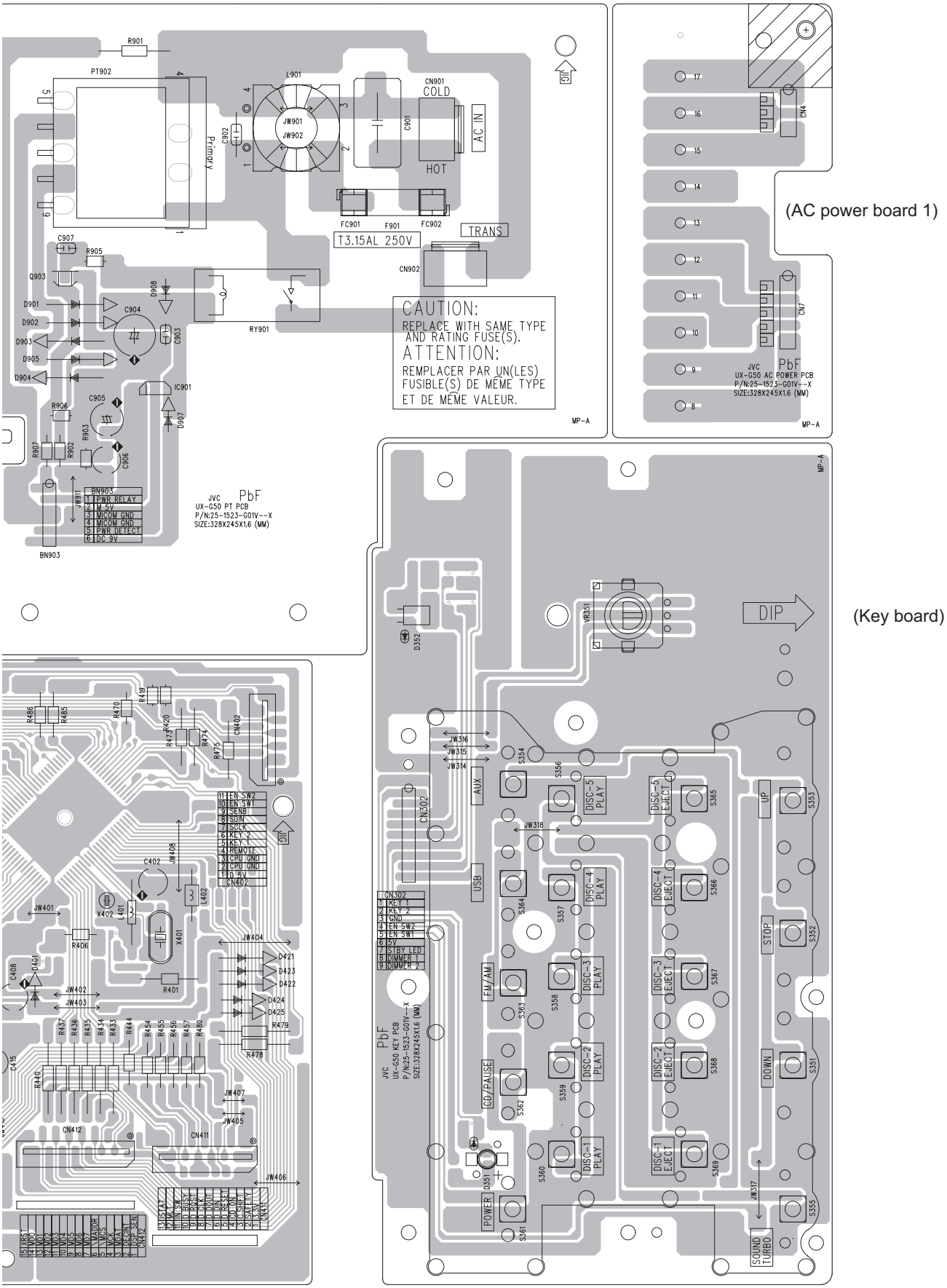
(Forward side) (CD board)





(Main board)

(Power trans board)

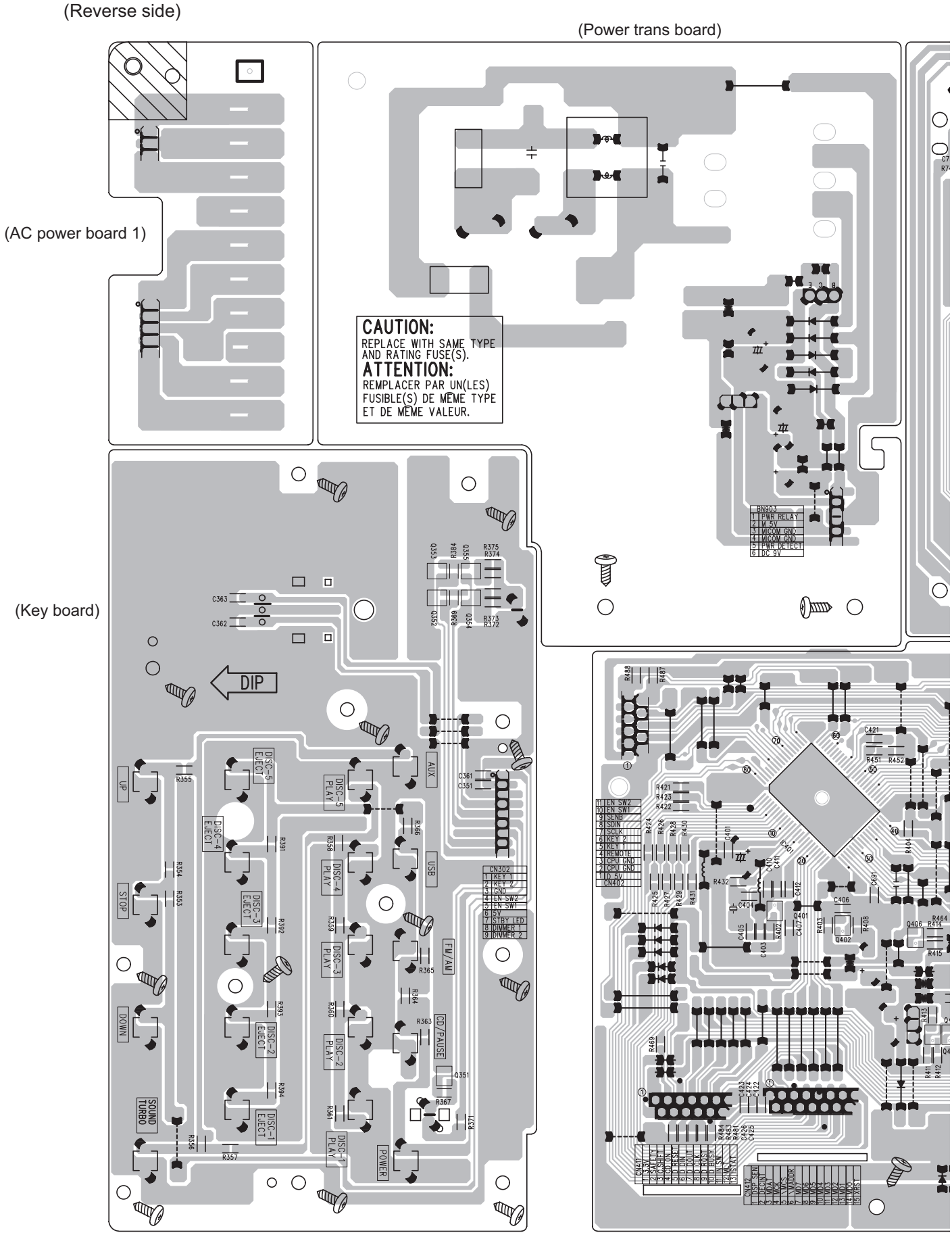


(AC power board 1)

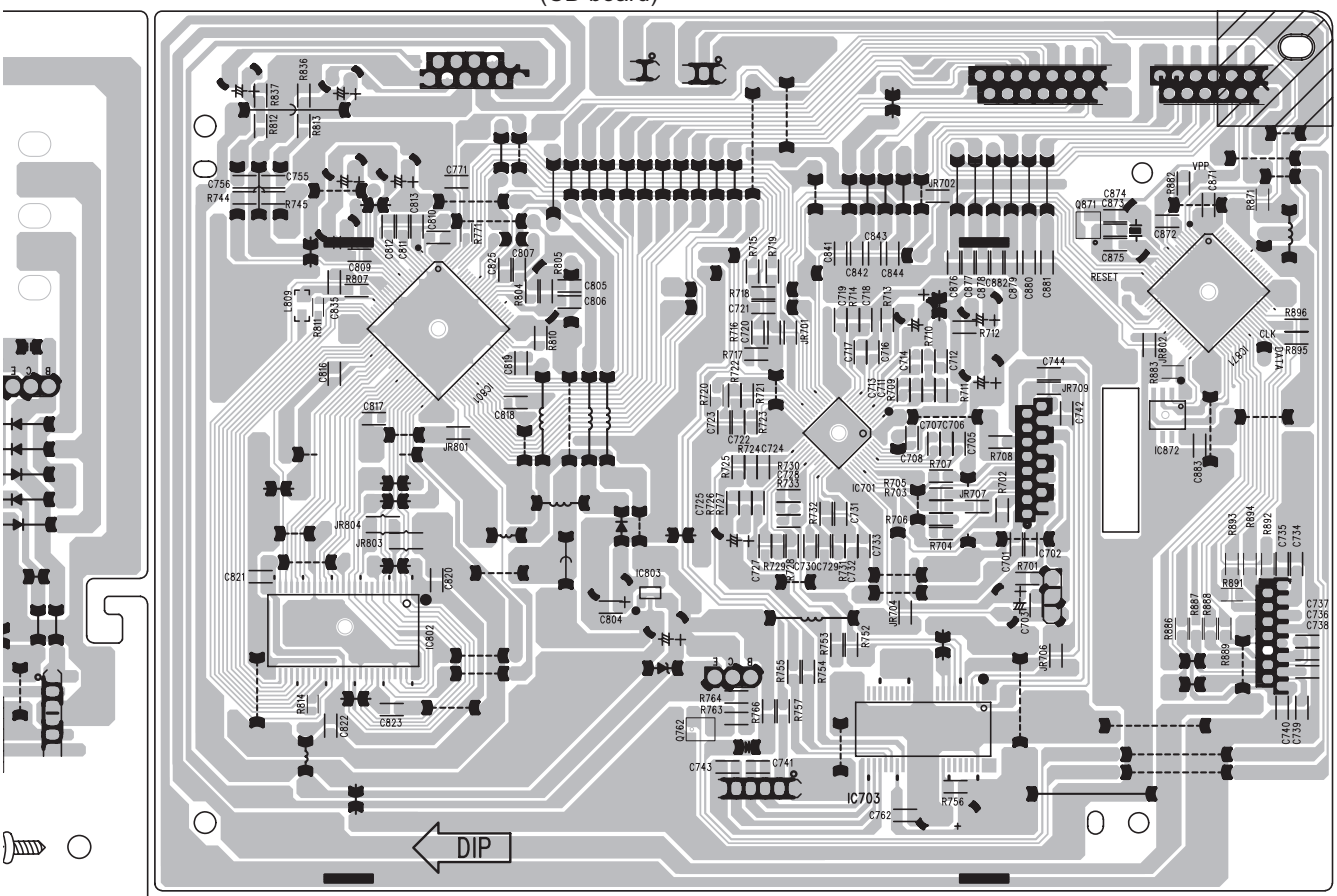
(Key board)

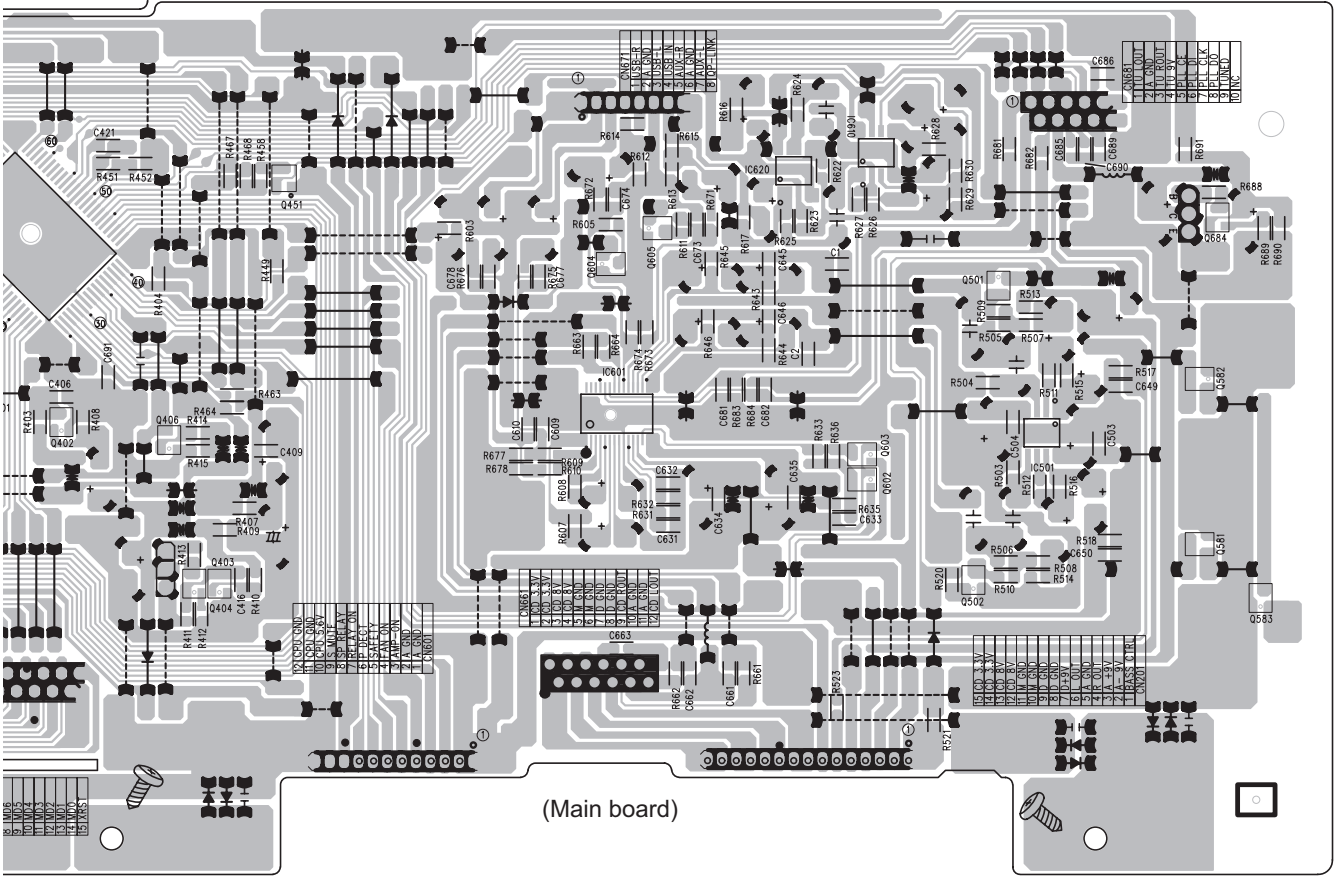
■ Main board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)



(CD board)



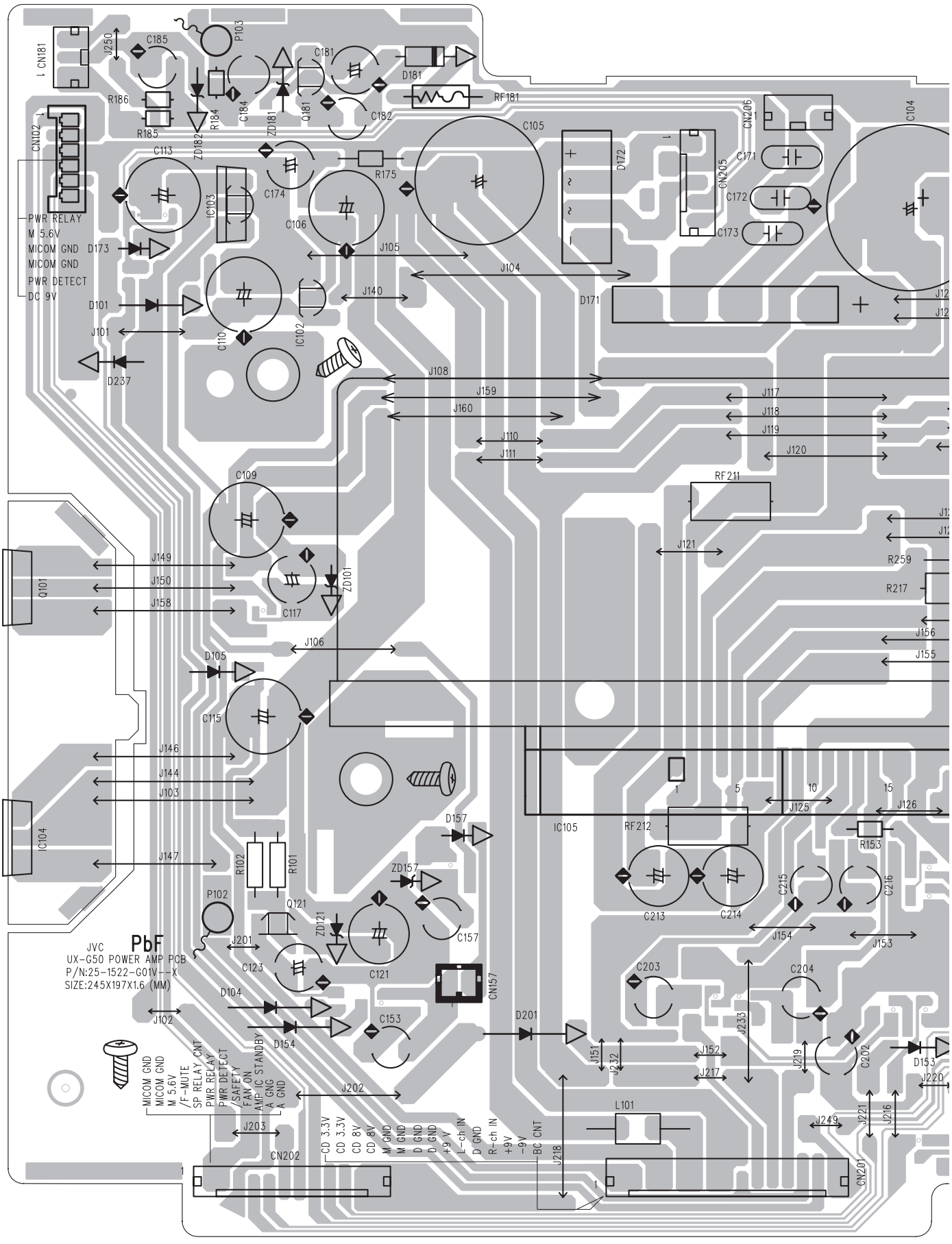


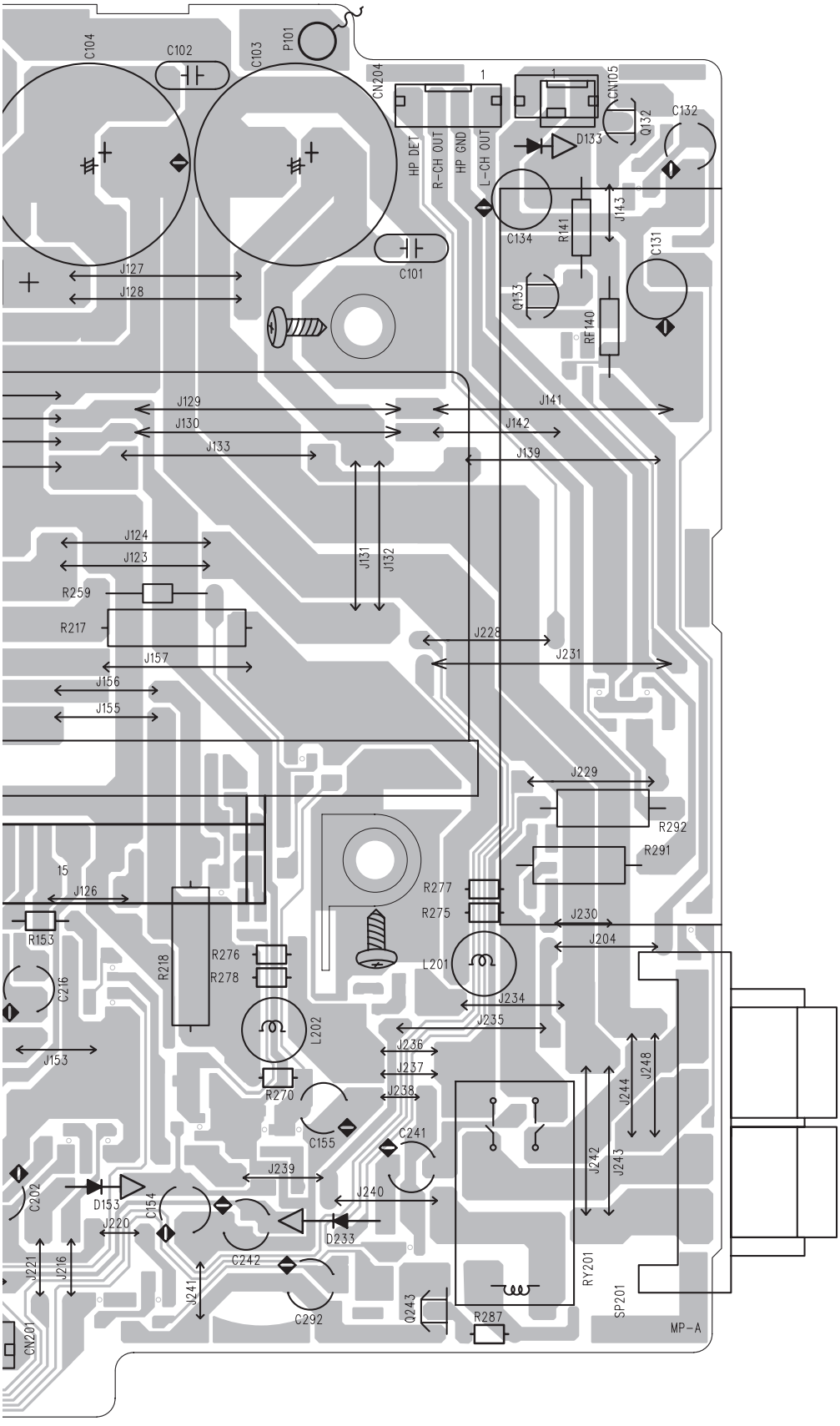
(Main board)

■ Amp board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

(Forward side)

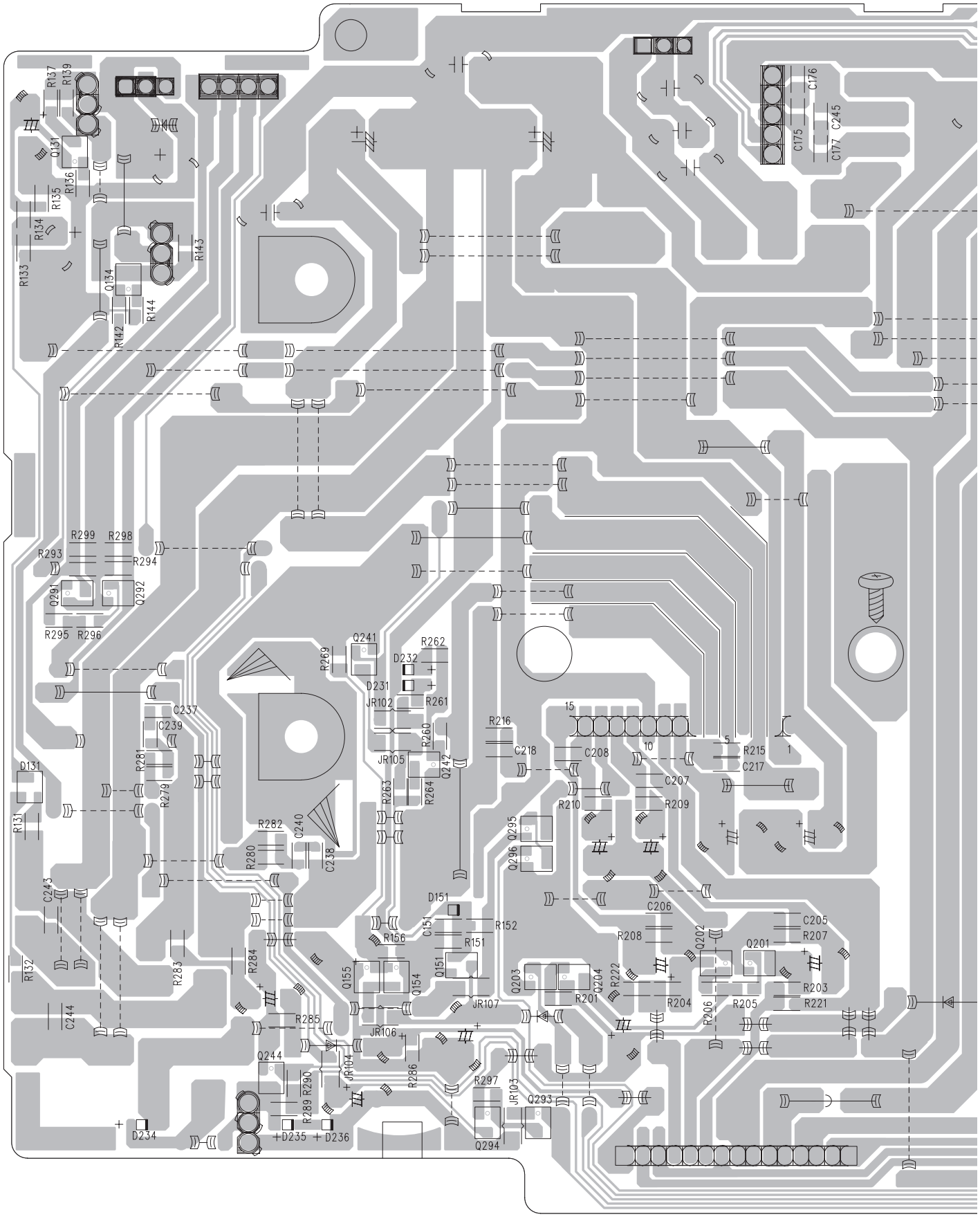


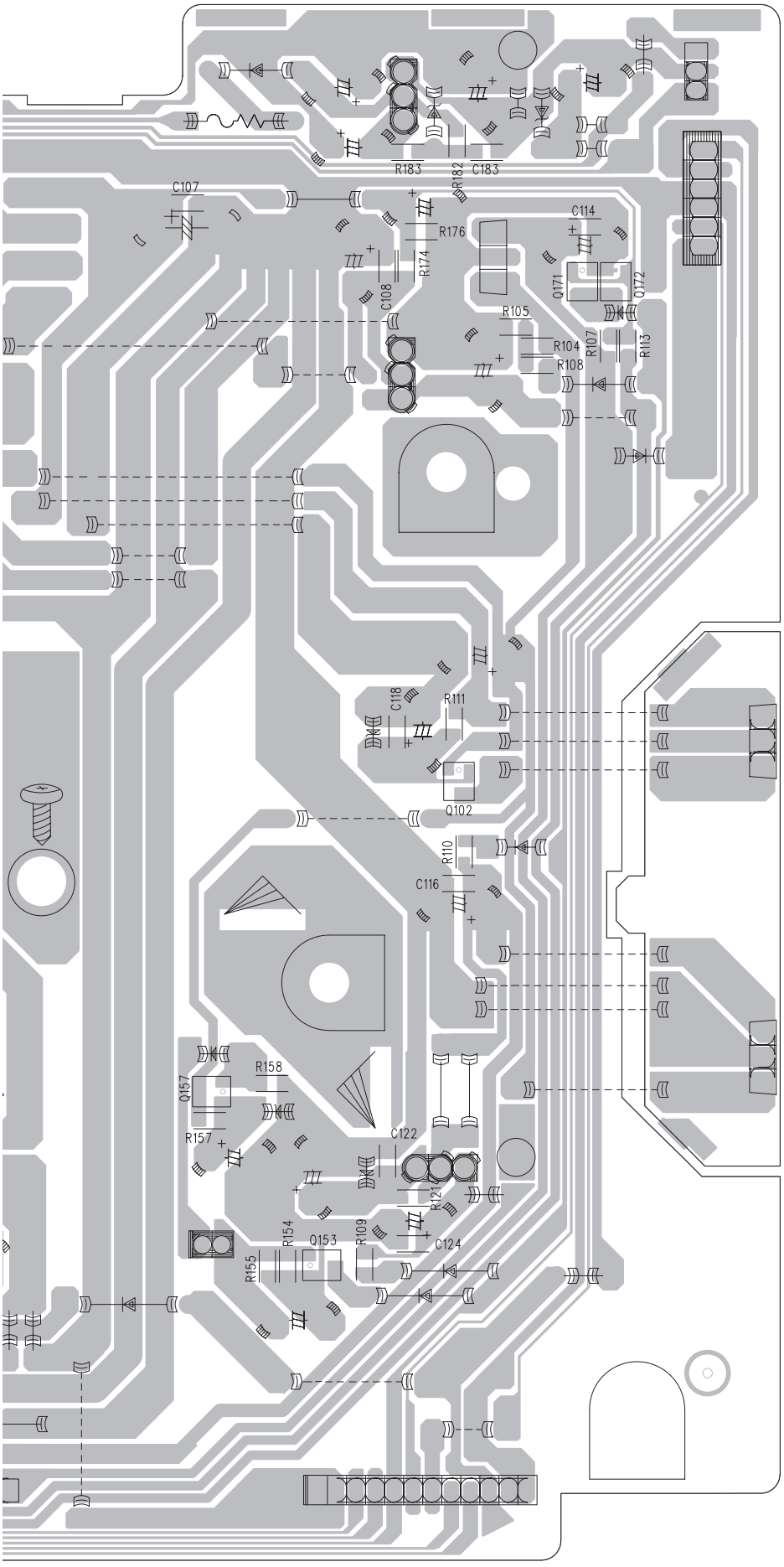

C104
C102
C103
P101
CN204
HP DET
R-CH OUT
HP GND
L-CH OUT
CN105
Q132
C132
D133
C134
R141
J143
C131
C101
Q133
RT140
J127
J128
J129
J130
J133
J141
J142
J139
J124
J123
J131
J132
R259
R217
J228
J231
J157
J156
J155
J229
R292
R291
15
J126
R277
R275
J230
J204
R153
R276
R278
R218
C216
L201
J234
J235
J153
L202
J236
J237
J238
R270
C155
C241
J248
J244
J242
J243
J239
J240
C202
D153
C154
J220
D233
J221
J216
C242
J241
RY201
SP201
C292
Q243
R287
CN201
MP-A

■ Amp board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

(Reverse side)

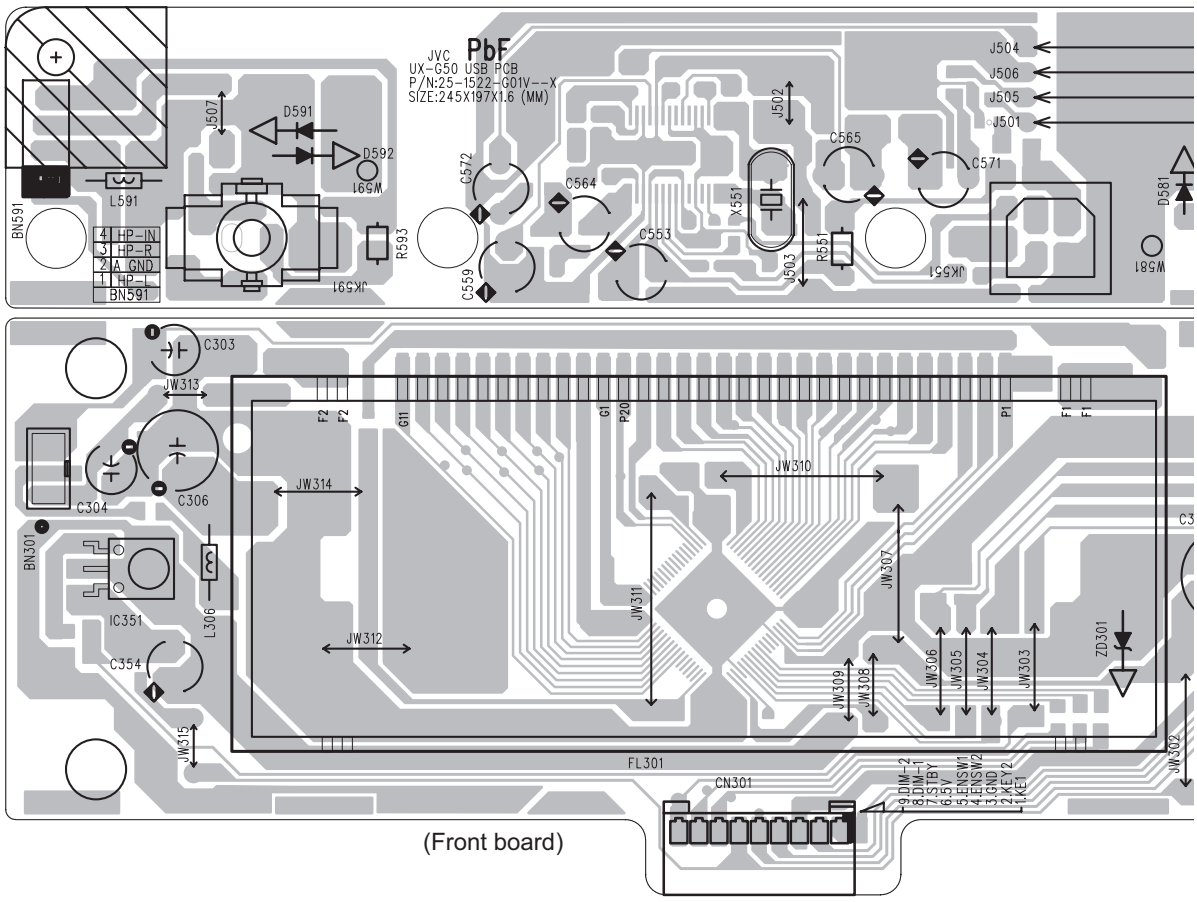



R183
R182
C183
C107
R176
C114
R174
C108
Q171
Q172
R105
R104
R107
R113
R108
C118
R111
Q102
R110
C116
R158
Q157
R157
C122
R121
R154
Q153
R109
C124
R155

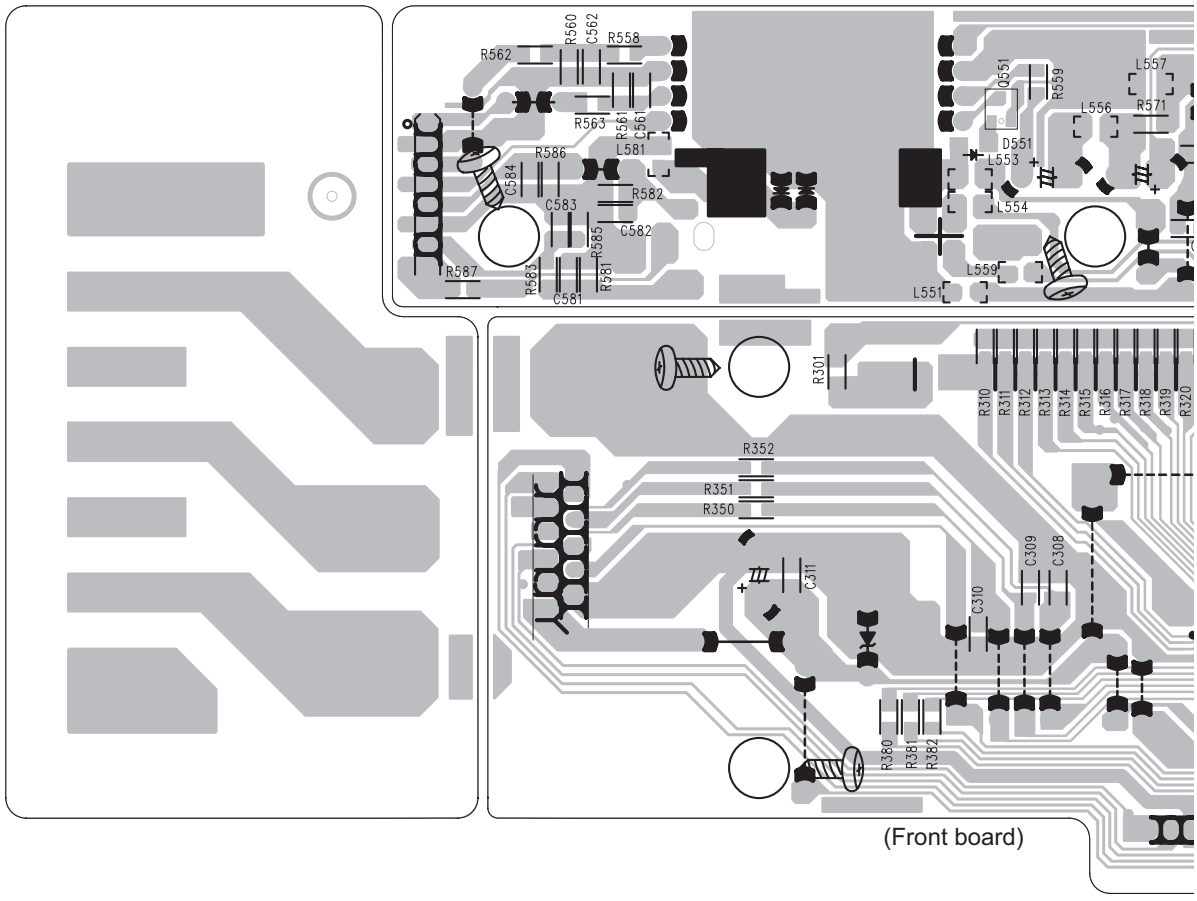
■ Front board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

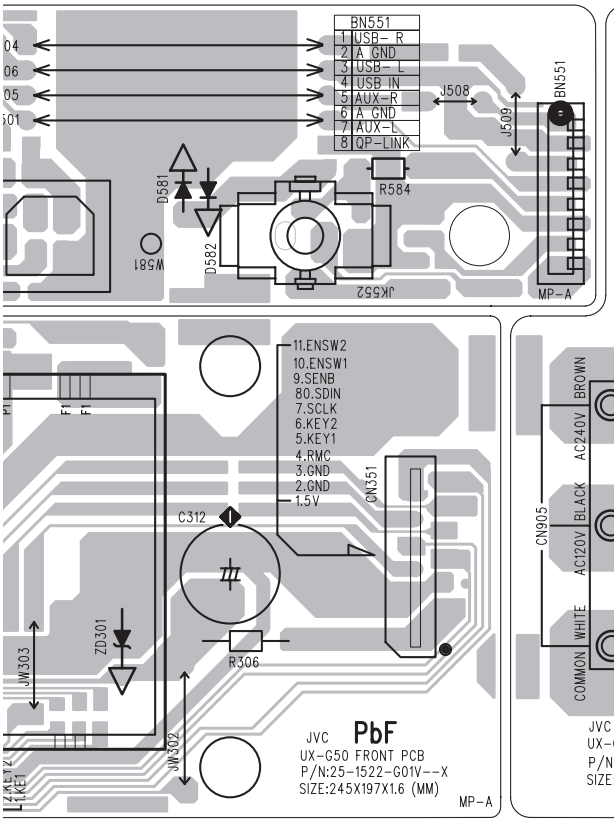
(Front side)



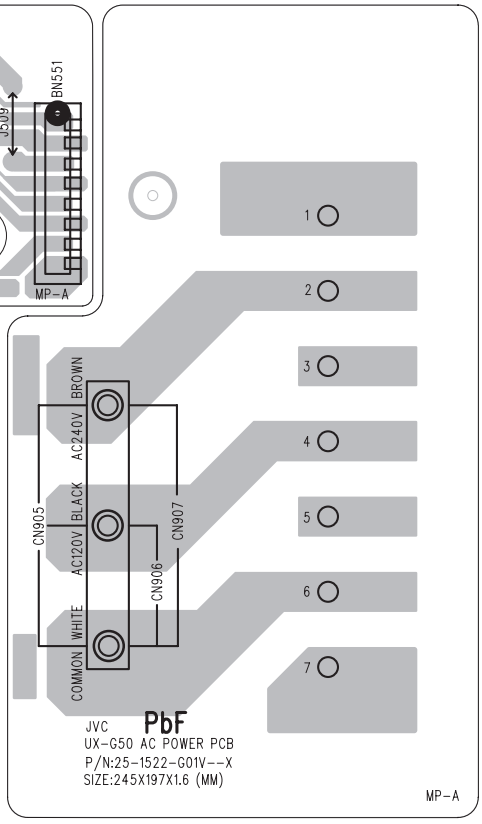
(Reverse side)



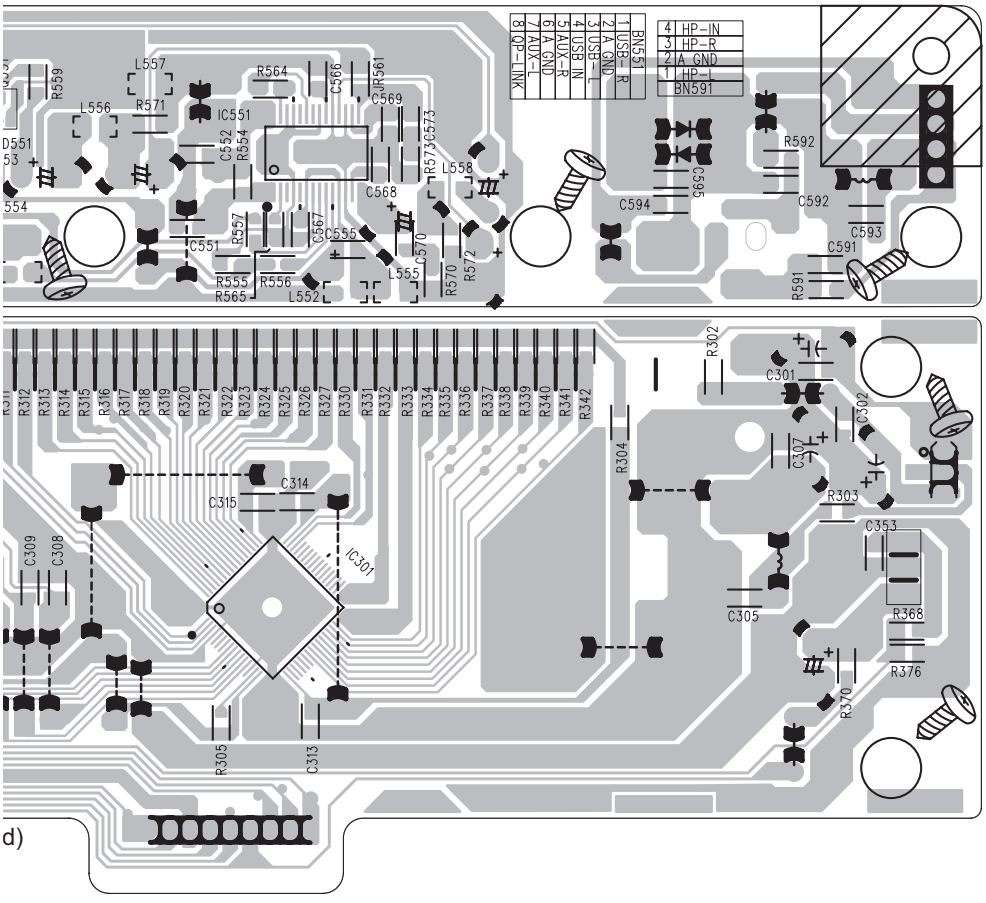
(USB board)



(AC power board 2)



3 board)



d)

JVC
Victor Company of Japan, Limited
Audio/Video Systems Category 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB509SCH)

Printed in Japan
VPT

PARTS LIST

UX-G50J,UX-G50C

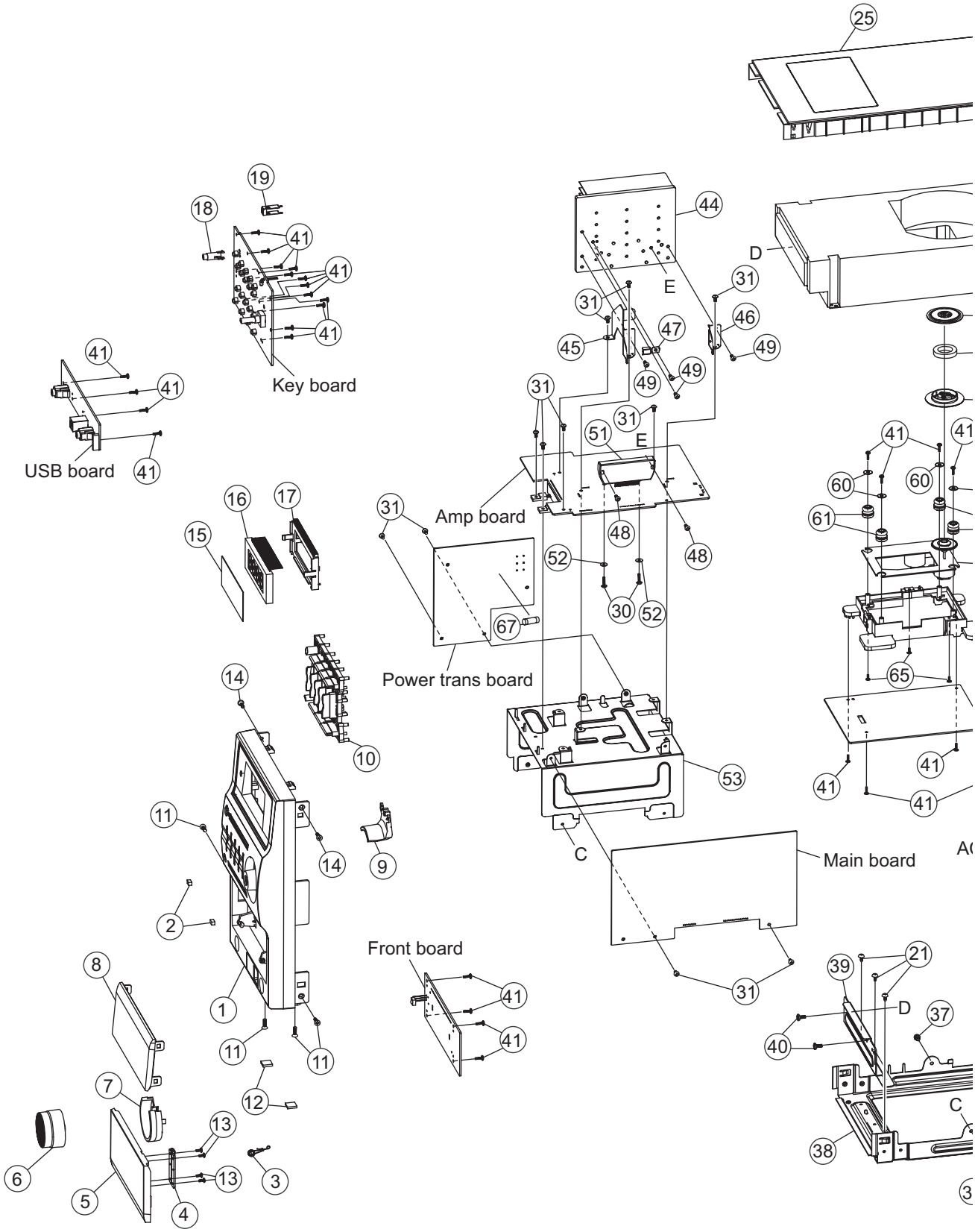
* All printed circuit boards and its assemblies are not available as service parts.

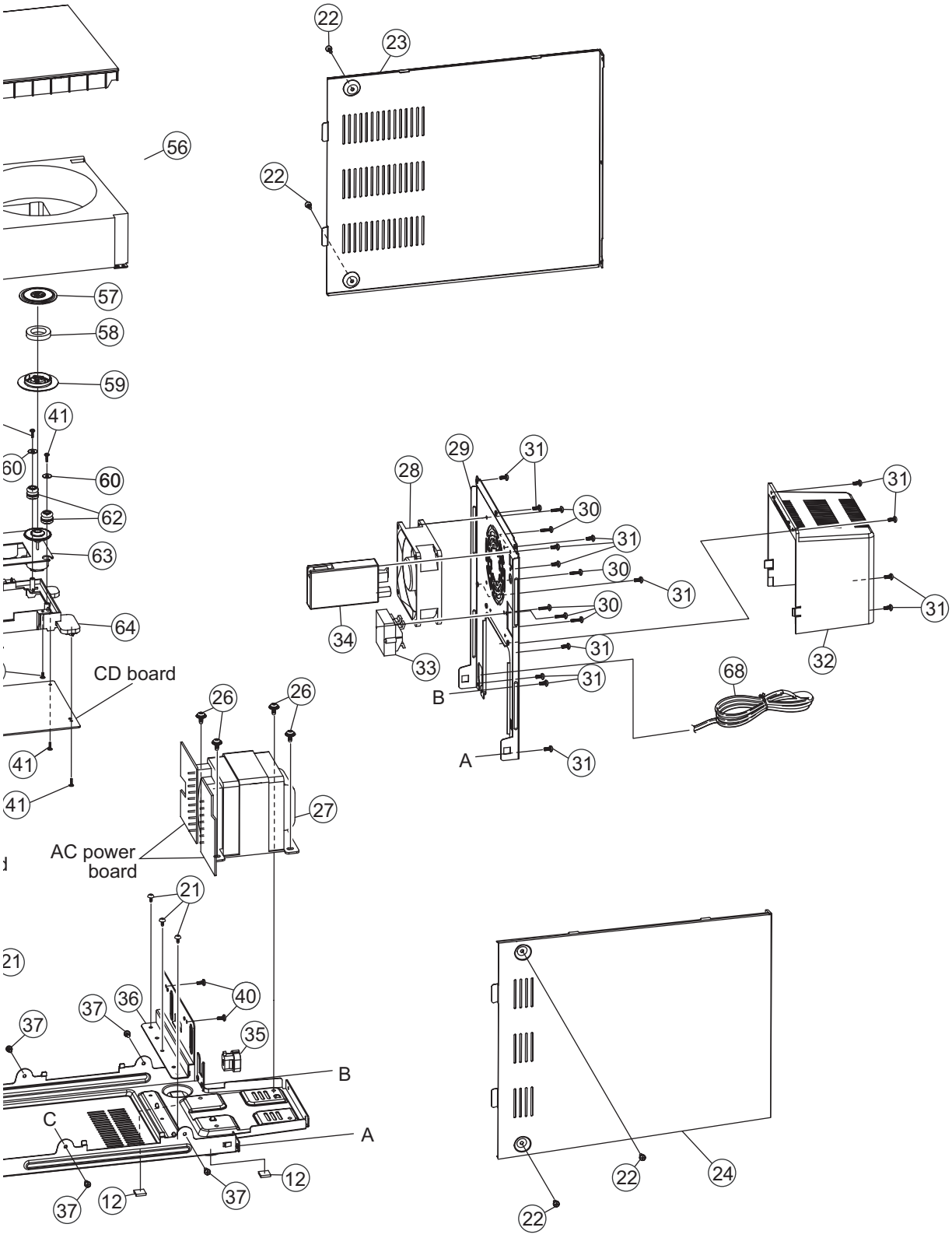
- Contents -

Exploded view of general assembly and parts list (Block No.M1) ---------- 3- 2
Electrical parts list (Block No.01~09) ---------- 3- 5
Packing materials and accessories parts list (Block No.M3) ---------- 3-14

Exploded view of general assembly and parts list

Block No. M 1 M M




22
23
56
22
57
58
59
41
60
60
62
63
64
CD board
41
41
28
29
31
30
31
30
31
30
31
34
33
B
A
31
31
31
31
32
68
26
26
27
AC power
board
21
21
37
36
40
37
35
B
C
A
37
12
37
12
22
22
24

General Assembly

Block No. [M][1][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	BI1084169101X1	FRONT PANEL		
	2	BI3023630101X1	CD DOOR RUBBER	(x2)	
	3	BI2031140101X1	CD DOOR SPRING		
	4	BI1084220101X1	CD BAFFLE		
	5	BI1084170BI101	CD DOOR		
	6	BI1080800BI101	VOLUME KNOB		
	7	BI1084200BI101	VOLUME RING		
	8	BI10842BI10BI1	DISPLAY LENS		
	9	BI1084230BI101	ILLUMINAT LENS		
	10	BI1084180BI101	FUNC BUTTON		
	11	BIKT000626	SCREW	3xL8(x4)	
	12	BI3021970101V1	RUBBER FOOT	(x4)	
	13	BI372080501BTP	SCREW	2.0x5.0(x4)	
	14	BIKT000625P11	SCREW	3xL10(x2)	
	15	BI3024220101X1	FILTER SHEET		
	16	BI2702401X	VFD	FL301 HNA-11MS 38T	
	17	BI1084250101X1	VFD HOLDER		
	18	BI1084260101X1	LED HOLDER		
	19	BI2031130101X1	SENSOR HOLDER		
	21	BIRT000606S3	SCREW	RT 3X8 M(x6)	
	22	BIRT000608B1W	SCREW	3xL8(x4)	
	23	BI2031160101X1	METAL PLATE L		
	24	BI2031150101X1	METAL PLATE R		
	25	BI1084249101X1	TOP COVER		
	26	BIPMW001101S31	SCREW	4X8(x4)	
⚠	27	BI211041020001	POWER TRANS	PT901	
	28	BI2400261V	FAN		
	29	BI2031090101X1	REAR PANEL		
	30	BIRT000610B3X2	SCREW	3X10(x8)	
	31	BIRM000606S3X1	SCREW	3xL6(x25)	
	32	BI1084279101X1	TRANS COVER		
	33	BI2301571X	TERMIUAL SP		
	34	BIZ25097101VX	TUNER PACK		
	35	BI300723010102	MOUNTING LUG	PG CW-2	
	36	BI2031120101X1	CD MECH HLDR B		
	37	BI372130064BTS	SCREW	3xL6(x4)	
	38	BI2031080101X1	MAIN CHASSIS		
	39	BI2031110101X1	CD MECH HLDR F		
	40	BIBT000603P3	SCREW	3xL4(x4)	
	41	BIBT000408S3X1	SCREW	2.6XL8mm(x28)	
	44	BI2031450101X1	HEAT SINK		
	45	BI2031780101X1	HEAT SINK BKT F		
	46	BI2029350102X1	HEAT SINK BKT B		
	47	BI2029330101X2	HEAT RES BKT		
	48	BIBT000614B3X1	SCREW	3xL14(x2)	
	49	BI372060803RTB	SCREW	3xL8(x4)	
	51	BI120381X	IC	STK433-100-E	
	52	BI3000271	FIBRE WASHER	3.2x8x0.8(x2)	
	53	BI2031100101X1	CD MECH COVER		
	56	BI251051000300	CD CHANGER MECH	5CD	
	57	BI2029060101X2	CD CHUCK PLATE		
	58	BI2030730101X1	CD MAGNET		
	59	BI1081030103X1	CD CHUCK		
	60	BI300856010101	WASHER	(x4)	
	61	BI301942010101	CUSHION RUBBER	RED(x2)	
	62	BI301943010101	CUSHION RUBBER	GREEN(x2)	
	63	BI251011010000	CD MECHANISM	SINGLE	
	64	BI1080830102X1	CD MECH HOLDER		
	65	BIBT000405S3	SCREW	(x3)	
⚠	67	BI403101	FUSE	F901 T3.15AL 250V	
⚠	68	BI1401732X	AC POWER CORD		

Electrical parts list

Main board

Block No. [0][1]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC401	BI120491X	IC	825AXZZ-Q	
IC501	BI103952X	IC	BA4558F	
IC601	BI112721X	IC	BD3881FV	
IC610	BI103952X	IC	BA4558F	
IC620	BI103952X	IC	BA4558F	
Q401	DTC114YK	DIGI TRANSISTOR	BI2DTC114YKA018	
Q402	DTC114TK	DIGI TRANSISTOR	BI2DTC114TKA011	
Q403	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q404	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q405	2SA1980	TRANSISTOR	BI2SA1980GP0000	
Q406	KTC3875	TRANSISTOR	BI2KTC3875YA014	
Q451	DTC124EKA	DIGI TRANSISTOR	BI2DTC124EKA018	
Q501	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q502	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q602	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q603	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q604	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q605	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q683	KTA1267GR	TRANSISTOR	BI2KTA1267GP00	
Q684	2SC3052	TRANSISTOR	BI2SC3052FA013H	
D401	1SS133	FR DIODE	BI31SS133M000V7	
D402	1SS133	FR DIODE	BI31SS133M000V7	
D405	1SS133	FR DIODE	BI31SS133M000V7	
D406	1SS133	FR DIODE	BI31SS133M000V7	
D407	1SS133	FR DIODE	BI31SS133M000V7	
D501	1SS133	FR DIODE	BI31SS133M000V7	
D502	1SS133	FR DIODE	BI31SS133M000V7	
D604	1SS133	FR DIODE	BI31SS133M000V7	
D621	1SS133	FR DIODE	BI31SS133M000V7	
C401	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C402	BICE107160MP01	E CAPACITOR	100uF 16V	
C403	BICC150500JA04	C CAPACITOR	15pF 50V	
C404	BICC330500JA04	C CAPACITOR	33pF 50V	
C405	BICC101500JA04	C CAPACITOR	100pF 50V	
C406	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C407	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C408	BICE105500MP01	E CAPACITOR	1uF 50V	
C409	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C411	BICC220500JA04	C CAPACITOR	22pF 50V	
C412	BICC220500JA04	C CAPACITOR	22pF 50V	
C413	BICE108063MP01	E CAPACITOR	1000uF 6.3V	
C415	BICE107100MP01	E CAPACITOR	100uF 10V	
C416	BICC222500KA04	C CAPACITOR	2200pF 50V	
C417	BICH104500KM01	C CAPACITOR	0.1uF 50V	
C421	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C422	BICC330500JA04	C CAPACITOR	33pF 50V	
C423	BICC330500JA04	C CAPACITOR	33pF 50V	
C424	BICC330500JA04	C CAPACITOR	33pF 50V	
C425	BICC330500JA04	C CAPACITOR	33pF 50V	
C426	BICC220500JA04	C CAPACITOR	22pF 50V	
C430	BICE227063MP01	E CAPACITOR	220uF 6.3V	
C501	BICE107160MP01	E CAPACITOR	100uF 16V	
C502	BICE107160MP01	E CAPACITOR	100uF 16V	
C503	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C504	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C505	BICM124101KP01	M CAPACITOR	0.12uF 100V	
C506	BICM124101KP01	M CAPACITOR	0.12uF 100V	
C507	BICE107160MP01	E CAPACITOR	100uF 16V	
C508	BICE107160MP01	E CAPACITOR	100uF 16V	
C509	BICE475500MP01	E CAPACITOR	4.7uF 50V	
C510	BICE475500MP01	E CAPACITOR	4.7uF 50V	
C511	BICE475500MP01	E CAPACITOR	4.7uF 50V	
C601	BICE475500MP01	E CAPACITOR	4.7uF 50V	
C609	BICC122500KA04	C CAPACITOR	1200pF 50V	
C610	BICC122500KA04	C CAPACITOR	1200pF 50V	
C611	BICE225500MP01	E CAPACITOR	2.2uF 50V	
C612	BICE225500MP01	E CAPACITOR	2.2uF 50V	
C617	BICE225500MP01	E CAPACITOR	2.2uF 50V	
C618	BICE225500MP01	E CAPACITOR	2.2uF 50V	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C619	BICM334500JP01	M CAPACITOR	0.33uF 50V	
C620	BICM334500JP01	M CAPACITOR	0.33uF 50V	
C621	BICE106500MP01	E CAPACTIOR	10uF 50V	
C622	BICE107160MP01	E CAPACITOR	100uF 16V	
C623	BICE107160MP01	E CAPACITOR	100uF 16V	
C631	BICC822500KA04	C CAPACITOR	8200pF 50V	
C632	BICC822500KA04	C CAPACITOR	8200pF 50V	
C633	BICC101500JA04	C CAPACITOR	100pF 50V	
C634	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C635	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C636	BICE227100MP01	E CAPACITOR	220uF 10V	
C637	BICE107100MP01	E CAPACITOR	100uF 10V	
C641	BICM104101KP01	M CAPACITOR	0.1uF 100V	
C642	BICM104101KP01	M CAPACITOR	0.1uF 100V	
C643	BICE104500MP01	E CAPACITOR	0.1uF 50V	
C644	BICE474500MP01	E CAPACITOR	0.47uF 50V	
C645	BICC683160KA04	C CAPACITOR	0.068uF 16V	
C646	BICC683160KA04	C CAPACITOR	0.068uF 16V	
C647	BICE474500MP01	E CAPACITOR	0.47uF 50V	
C648	BICE104500MP01	E CAPACITOR	0.1uF 50V	
C649	BICC222500KA04	C CAPACITOR	2200pF 50V	
C650	BICC222500KA04	C CAPACITOR	2200pF 50V	
C661	BICC222500KA04	C CAPACITOR	2200pF 50V	
C662	BICC222500KA04	C CAPACITOR	2200pF 50V	
C663	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C671	BICE225500MP01	E CAPACITOR	2.2uF 50V	
C672	BICE225500MP01	E CAPACITOR	2.2uF 50V	
C673	BICC222500KA04	C CAPACITOR	2200pF 50V	
C674	BICC222500KA04	C CAPACITOR	2200pF 50V	
C675	BICE225500MP01	E CAPACITOR	2.2uF 50V	
C676	BICE225500MP01	E CAPACITOR	2.2uF 50V	
C679	BICE107160MP01	E CAPACITOR	100uF 16V	
C681	BICC102500KA04	C CAPACITOR	1000pF 50V	
C682	BICC102500KA04	C CAPACITOR	1000pF 50V	
C683	BICE476160MP01	E CAPACITOR	47uF 16V	
C684	BICH103500KM01	C CAPACITOR	0.01uF 50V	
C685	BICC101500JA04	C CAPACITOR	100pF 50V	
C686	BICC101500JA04	C CAPACITOR	100pF 50V	
C689	BICC101500JA04	C CAPACITOR	100pF 50V	
C690	BICC101500JA04	C CAPACITOR	100pF 50V	
R401	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R402	BIRC0000105A00	C RESISTOR	0Ω 1/10W	
R403	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R404	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R405	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R406	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R407	BIRC3310105A00	C RESISTOR	330Ω 1/10W	
R408	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R409	BIRC4710105A00	C RESISTOR	470Ω 1/10W	
R410	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R411	BIRC1040105A00	C RESISTOR	100KΩ 1/10W	
R412	BIRC0000105A00	C RESISTOR	0Ω 1/10W	
R413	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R414	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R415	BIRC6820105A00	C RESISTOR	6.8KΩ 1/10W	
R416	BIRC1040085M00	C RESISTOR	100KΩ 1/8W	
R419	BIRC1030085M00	C RESISTOR	10KΩ 1/8W J	
R420	BIRC1030085M00	C RESISTOR	10KΩ 1/8W J	
R421	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R422	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R423	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R424	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R425	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R426	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R427	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R428	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R429	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R430	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R431	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R432	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R433	BIRC1010085N00	C RESISTOR	100Ω 1/8W	
R434	BIRC1010085N00	C RESISTOR	100Ω 1/8W	
R435	BIRC1010085N00	C RESISTOR	100Ω 1/8W	
R436	BIRC1010085N00	C RESISTOR	100Ω 1/8W	
R437	BIRC1010085N00	C RESISTOR	100Ω 1/8W	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R438	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R440	BIRC1010085N00	C RESISTOR	100Ω 1/8W	
R441	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R442	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R443	BIRC1010085N00	C RESISTOR	100Ω 1/8W	
R444	BIRC1010085N00	C RESISTOR	100Ω 1/8W	
R445	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R446	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R447	BIRC1010085N00	C RESISTOR	100Ω 1/8W	
R448	BIRC1010085N00	C RESISTOR	100Ω 1/8W	
R449	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R451	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R452	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R454	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R455	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R456	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R457	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R458	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R459	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R460	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R461	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R462	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R463	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R464	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R467	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R468	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R469	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R470	BIRC2220085M00	C RESISTOR	2.2KΩ 1/8W	
R471	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R473	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R474	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R475	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R478	BIRC1010085N00	C RESISTOR	100Ω 1/8W	
R479	BIRC1020085N00	C RESISTOR	1KΩ 1/8W	
R480	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R485	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R486	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R487	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R488	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R501	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R502	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R503	BIRC1040105A00	C RESISTOR	100KΩ 1/10W	
R504	BIRC1040105A00	C RESISTOR	100KΩ 1/10W	
R505	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R506	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R507	BIRC1220105A00	C RESISTOR	1.2KΩ 1/10W	
R508	BIRC1220105A00	C RESISTOR	1.2KΩ 1/10W	
R509	BIRC5620105A00	C RESISTOR	5.6KΩ 1/10W	
R510	BIRC5620105A00	C RESISTOR	5.6KΩ 1/10W	
R511	BIRC0000105A00	C RESISTOR	0Ω 1/10W	
R512	BIRC0000105A00	C RESISTOR	0Ω 1/10W	
R513	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R514	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R515	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R516	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R517	BIRC1040105A00	C RESISTOR	100KΩ 1/10W	
R518	BIRC1040105A00	C RESISTOR	100KΩ 1/10W	
R519	BIRC2220085M00	C RESISTOR	2.2KΩ 1/8W	
R520	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R521	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R522	BIRC2220085M00	C RESISTOR	2.2KΩ 1/8W	
R523	BIRC1520105A00	C RESISTOR	1.5KΩ 1/10W	
R524	BIRC1520085M00	C RESISTOR	1.5KΩ 1/8W	
R601	BIRC2220085N00	C RESISTOR	2.2KΩ 1/8W	
R602	BIRC2220085M00	C RESISTOR	2.2KΩ 1/8W	
R603	BIRC5620105A00	C RESISTOR	5.6KΩ 1/10W	
R605	BIRC5610105A00	C RESISTOR	560Ω 1/10W	
R607	BIRC0000105A00	C RESISTOR	0Ω 1/10W	
R608	BIRC0000105A00	C RESISTOR	0Ω 1/10W	
R609	BIRC4710105A00	C RESISTOR	470Ω 1/10W	
R610	BIRC4710105A00	C RESISTOR	470Ω 1/10W	
R611	BIRC5610105A00	C RESISTOR	560Ω 1/10W	
R612	BIRC8220105A00	C RESISTOR	8.2KΩ 1/10W	
R613	BIRC8220105A00	C RESISTOR	8.2KΩ 1/10W	
R619	BIRC2220085M00	C RESISTOR	2.2KΩ 1/8W	
R620	BIRC2220085M00	C RESISTOR	2.2KΩ 1/8W	
R622	BIRC1040105A00	C RESISTOR	100KΩ 1/10W	
R623	BIRC1040105A00	C RESISTOR	100KΩ 1/10W	
R624	BIRC5620105A00	C RESISTOR	5.6KΩ 1/10W	
R625	BIRC5620105A00	C RESISTOR	5.6KΩ 1/10W	
R626	BIRC1040105A00	C RESISTOR	100KΩ 1/10W	
R627	BIRC2240105A00	C RESISTOR	220KΩ 1/10W	
R628	BIRC1040105A00	C RESISTOR	100KΩ 1/10W	
R629	BIRC4720105A00	C RESISTOR	4.7KΩ 1/10W	
R630	BIRC4720105A00	C RESISTOR	4.7KΩ 1/10W	
R631	BIRC5630105A00	C RESISTOR	56KΩ 1/10W	
R632	BIRC5630105A00	C RESISTOR	56KΩ 1/10W	
R633	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R635	BIRC4720105A00	C RESISTOR	4.7KΩ 1/10W	
R636	BIRC4720105A00	C RESISTOR	4.7KΩ 1/10W	
R637	BIRC2210045M00	C RESISTOR	220Ω 1/4W J C	
R638	BIRC6810045M00	C RESISTOR	680Ω 1/4W	
R639	BIRC3330085M00	C RESISTOR	33KΩ 1/8W	
R641	BIRC1020085N00	C RESISTOR	1KΩ 1/8W	
R642	BIRC1020085N00	C RESISTOR	1KΩ 1/8W	
R643	BIRC2020105A00	C RESISTOR	2KΩ 1/10W	
R644	BIRC2020105A00	C RESISTOR	2KΩ 1/10W	
R645	BIRC6830105A00	C RESISTOR	68KΩ 1/10W	
R646	BIRC6830105A00	C RESISTOR	68KΩ 1/10W	
R650	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R651	BIRC2720085M00	C RESISTOR	2K7 1/8W	
R652	BIRC2720085M00	C RESISTOR	2K7 1/8W	
R661	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R662	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R663	BIRC1220105A00	C RESISTOR	1.2KΩ 1/10W	
R664	BIRC1220105A00	C RESISTOR	1.2KΩ 1/10W	
R671	BIRC4720105A00	C RESISTOR	4.7KΩ 1/10W	
R672	BIRC4720105A00	C RESISTOR	4.7KΩ 1/10W	
R673	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R674	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R675	BIRC2230105A00	C RESISTOR	22KΩ 1/10W	
R676	BIRC2230105A00	C RESISTOR	22KΩ 1/10W	
R677	BIRC8220105A00	C RESISTOR	8.2KΩ 1/10W	
R678	BIRC8220105A00	C RESISTOR	8.2KΩ 1/10W	
R681	BIRC3930105A00	C RESISTOR	39KΩ 1/10W	
R682	BIRC3930105A00	C RESISTOR	39KΩ 1/10W	
R683	BIRC1520105A00	C RESISTOR	1.5KΩ 1/10W	
R684	BIRC1520105A00	C RESISTOR	1.5KΩ 1/10W	
R688	BIRC4710105A00	C RESISTOR	470Ω 1/10W	
R689	BIRC4700105A00	C RESISTOR	47Ω 1/10W	
R690	BIRC1040105A00	C RESISTOR	100KΩ 1/10W	
R691	BIRC3320105A00	C RESISTOR	3.3KΩ 1/10W	
L402	BI26100000KN00	FIXED INDUCTOR	10uH	
L661	BI18A843556N00	FILTER BEAD	843556	
L682	BI18A843556N00	FILTER BEAD	843556	
CN402	BI12S110020V	FFC CONNECTOR	11P	
CN411	BI12S130027	CONNECTOR	13P	
CN412	BI12S150023V	CONNECTOR	15P	
CN501	BI12S150029V	CONNECTOR	15P	
CN601	BI12S120050V	CONNECTOR	12P	
CN661	BI12S120010	CONNECTOR	12P	
CN671	BI12S80024	CONNECTOR	8P	
CN681	BI12S100047X	CONNECTOR	10P	
X401	BI29ZTA8.00P015	C RESONATOR	8MHz	
X402	BI2101012	CRYSTAL	32.768KHz	
XXXXX	BI301635010101	CUSH-S PWB	CUSH	
ZD401	UZ3.9BSB	Z DIODE	BI3UZ3.9BSBM000	
ZD402	MTZJ3.3B	Z DIODE	BI3MTZJ33BM000V	
ZD601	UZ4.7BSA	Z DIODE	BI3UZ4.7BSAM000	
ZD602	UZ4.7BSA	Z DIODE	BI3UZ4.7BSAM000	

Front board

Block No. [0][2]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC301	BI116661X	IC	S5G5128A VFD DRIVER	
IC351	BI115291X	IC RC SENSOR	RPM1740-V4	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C301	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C302	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C303	BICE226500MP01	E CAPACITOR	22uF 50V	
C304	BICE226500MP01	E CAPACITOR	22uF 50V	
C305	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C306	BICE107500MP01	E CAPACITOR	100uF 50V	
C307	BICC103500KA04	C CAPACITOR	0.01uF 50V	
C308	BICC101500JA04	C CAPACITOR	100pF 50V	
C309	BICC101500JA04	C CAPACITOR	100pF 50V	
C310	BICC101500JA04	C CAPACITOR	100pF 50V	
C311	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C312	BICE108063MP01	E CAPACITOR	1000uF 6.3V	
C313	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C314	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C315	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C353	BICC102500JA04	C CAPACITOR	1000pF 50V	
C354	BICE107100MP01	E CAPACITOR	100uF 10V	
R301	BIRC0100105A00	C RESISTOR	1Ω 1/10W	
R302	BIRC0100105A00	C RESISTOR	1Ω 1/10W	
R303	BIRC2200105A00	C RESISTOR	22Ω 1/10W	
R304	BIRC0000105A00	C RESISTOR	0Ω 1/10W	
R305	BIRC2730105A00	C RESISTOR	27KΩ 1/10W	
R306	BIRC1000085M00	C RESISTOR	10Ω 1/8W	
R310	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R311	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R312	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R313	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R314	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R315	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R316	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R317	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R318	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R319	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R320	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R321	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R322	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R323	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R324	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R325	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R326	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R327	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R330	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R331	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R332	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R333	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R334	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R335	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R336	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R337	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R338	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R339	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R340	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R341	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R342	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R350	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R351	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R352	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R368	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R370	BIRC2200105A00	C RESISTOR	22Ω 1/10W	
R376	BIRC1040105A00	C RESISTOR	100KΩ 1/10W	
R380	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R381	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R382	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
L306	BI26100000KM00	FIXED INDUCTOR	10uH	
BN301	BI12P30268X	CONNECTOR WIRE	3P for AMP CN181	
CN301	BI12S90061X	CONNECTOR	9P	
CN351	BI12S110020V	FFC CONNECTOR	11P	

Key board

Block No. [0][3]

⚠ Symbol No.	Part No.	Part Name	Description	Local
Q352	DTA114EK	DIGI TRANSISTOR	BI2DTA114EKA011	
Q353	DTA114EK	DIGI TRANSISTOR	BI2DTA114EKA011	
Q354	DTA114YK	DIGI TRANSISTOR	BI2DTA114YKA018	
Q355	DTA114YK	DIGI TRANSISTOR	BI2DTA114YKA018	
D351	BI2801181V	LED		
D352	BL-B4541-AV-TBS2	LED	BI28B4541EP01	
C351	BICC103500KA04	C CAPACITOR	0.01uF 50V	
C361	BICC103500KA04	C CAPACITOR	0.01uF 50V	
C362	BICC471500KA04	C CAPACITOR	470pF 50V	
C363	BICC471500KA04	C CAPACITOR	470pF 50V	
R353	BIRC9110105A00	C RESISTOR	910Ω 1/10W	
R354	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R355	BIRC1320105A00	C RESISTOR	1.3KΩ 1/10W	
R356	BIRC1820105A00	C RESISTOR	1.8KΩ 1/10W	
R357	BIRC2020105A00	C RESISTOR	2KΩ 1/10W	
R358	BIRC3020105A00	C RESISTOR	3KΩ 1/10W	
R359	BIRC3920105A00	C RESISTOR	3.9KΩ 1/10W	
R360	BIRC6220105A00	C RESISTOR	6.2KΩ 1/10W	
R361	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R363	BIRC9110105A00	C RESISTOR	910Ω 1/10W	
R364	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R365	BIRC1320105A00	C RESISTOR	1.3KΩ 1/10W	
R366	BIRC1820105A00	C RESISTOR	1.8KΩ 1/10W	
R367	BIRC0000105A00	C RESISTOR	0Ω 1/10W	
R371	BIRC4710105A00	C RESISTOR	470Ω 1/10W	
R372	BIRC1210105A00	C RESISTOR	120Ω 1/10W	
R374	BIRC2210105A00	C RESISTOR	220Ω 1/10W	
R391	BIRC2020105A00	C RESISTOR	2KΩ 1/10W	
R392	BIRC3020105A00	C RESISTOR	3KΩ 1/10W	
R393	BIRC3920105A00	C RESISTOR	3.9KΩ 1/10W	
R394	BIRC6220105A00	C RESISTOR	6.2KΩ 1/10W	
VR351	BI804691	RORARY SW	RE012304PVB25F	
CN302	BI12P90073X	CONNECTOR WIRE	9P for FRONT CN301	
S351	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	
S352	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	
S353	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	
S354	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	
S355	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	
S356	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	
S357	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	
S358	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	
S359	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	
S360	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	
S361	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	
S362	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	
S363	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	
S364	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	
S365	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	
S366	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	
S367	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	
S368	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	
S369	BI8SKRGAED0P0	TACT SWITCH	SKRGAED010	

Amp board

Block No. [0][4]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC102	BI118381X	IC	NJM79L09	
IC103	BI120731X	IC	ST78L09	
IC104	BI110891X	IC	KIA7808API	
IC105	BI120381X	IC	STK433-100-E	
Q101	KTB1366	TRANSISTOR	BI2KTB1366Y8	
Q102	2SC3052	TRANSISTOR	BI2SC3052FA013H	

⚠ Symbol No.	Part No.	Part Name	Description	Local
Q121	KTC3205	TRANSISTOR	BI2KTC3205P0008	
Q131	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q132	KTA1273	TRANSISTOR	BI2KTA1273P0008	
Q133	KTA1273	TRANSISTOR	BI2KTA1273P0008	
Q134	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q151	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q153	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q154	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q155	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q157	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q171	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q172	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q181	KTA1273	TRANSISTOR	BI2KTA1273P0008	
Q201	DTC323TK	DIGI TRANSISTOR	BI2DTC323TKA011	
Q202	DTC323TK	DIGI TRANSISTOR	BI2DTC323TKA011	
Q203	DTC114TK	DIGI TRANSISTOR	BI2DTC114TKA011	
Q204	DTA114YK	DIGI TRANSISTOR	BI2DTA114YKA018	
Q241	2SA1235F	TRANSISTOR	BI2SA1235FA012H	
Q242	2SA1235F	TRANSISTOR	BI2SA1235FA012H	
Q243	KTC3199GR	TRANSISTOR	BI2KTC3199GP00	
Q244	DTC114YK	DIGI TRANSISTOR	BI2DTC114YKA018	
Q291	DTC323TK	DIGI TRANSISTOR	BI2DTC323TKA011	
Q292	DTC323TK	DIGI TRANSISTOR	BI2DTC323TKA011	
Q293	DTC114TK	DIGI TRANSISTOR	BI2DTC114TKA011	
Q294	DTA114YK	DIGI TRANSISTOR	BI2DTA114YKA018	
Q295	DTA114EK	DIGI TRANSISTOR	BI2DTA114EKA011	
Q296	DTC114EK	DIGI TRANSISTOR	BI2DTC114EKA018	
D101	1SS133	FR DIODE	BI31SS133M000V7	
D104	1SS133	FR DIODE	BI31SS133M000V7	
D105	1SS133	FR DIODE	BI31SS133M000V7	
D131	MC2838	DIODE	BI3MC2838A002	
D133	1SS133	FR DIODE	BI31SS133M000V7	
D153	1SS133	FR DIODE	BI31SS133M000V7	
D154	1SS133	FR DIODE	BI31SS133M000V7	
D157	1SS133	FR DIODE	BI31SS133M000V7	
D171	RS603M	DIODE	BI3RS603M1	
D172	RS202	DIODE	BI3RS2021	
D173	1SS133	FR DIODE	BI31SS133M000V7	
D181	1N4001	DIODE	BI31N4001M0006	
D201	1SS133	FR DIODE	BI31SS133M000V7	
D231	1SS355	DIODE	BI31SS355A0077	
D232	1SS355	DIODE	BI31SS355A0077	
D233	1SS133	FR DIODE	BI31SS133M000V7	
D234	1SS355	DIODE	BI31SS355A0077	
D235	1SS355	DIODE	BI31SS355A0077	
D236	1SS355	DIODE	BI31SS355A0077	
D237	1SS133	FR DIODE	BI31SS133M000V7	
C101	BICM103101KP01	M CAPACITOR	0.01uF 100V	
C102	BICM103101KP01	M CAPACITOR	0.01uF 100V	
C103	BICE33856M1Y	E CAPACITOR	3300uF 56V	
C104	BICE33856M1Y	E CAPACITOR	3300uF 56V	
C105	BICE47825M6Y1	E CAPACITOR	4700uF 25V	
C106	BICE108250MP01	E CAPACITOR	1000uF 25V	
C107	BICC103500KA04	C CAPACITOR	0.01uF 50V	
C108	BICC103500KA04	C CAPACITOR	0.01uF 50V	
C109	BICE108160MP01	E CAPACITOR	1000uF 16V	
C110	BICE477250MP01	E CAPACITOR	470uF 25V	
C113	BICE108160MP01	E CAPACITOR	1000uF 16V	
C114	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C115	BICE108160MP01	E CAPACITOR	1000uF 16V	
C116	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C117	BICE107160MP01	E CAPACITOR	100uF 16V	
C118	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C121	BICE227100MP01	E CAPACITOR	220uF 10V	
C122	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C123	BICE227100MP01	E CAPACITOR	220uF 10V	
C124	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C131	BICE105500MP11	E CAPACITOR	1uF 50V	
C132	BICE106500MP01	E CAPACTIOR	10uF 50V	
C134	BICE227160MP11	E CAPACITOR	220uF 16V	
C151	BICC222500KA04	C CAPACITOR	2200pF 50V	
C153	BICE105500MP01	E CAPACITOR	1uF 50V	
C154	BICE226160MP01	E CAPACITOR	22uF 16V	
C155	BICE475500MP01	E CAPACITOR	4.7uF 50V	
C157	BICE107160MP01	E CAPACITOR	100uF 16V	
C171	BICM103101KP01	M CAPACITOR	0.01uF 100V	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C172	BICM103101KP01	M CAPACITOR	0.01uF 100V	
C174	BICE107250MP01	E CAPACITOR	100uF 25V	
C175	BICC103500KA04	C CAPACITOR	0.01uF 50V	
C176	BICC103500KA04	C CAPACITOR	0.01uF 50V	
C177	BICC473500KA04	C CAPACITOR	0.047uF 50V	
C181	BICE476630MP01	E CAPACITOR	47uF 63V	
C182	BICE226500MP01	E CAPACITOR	22uF 50V	
C183	BICC103500KA04	C CAPACITOR	0.01uF 50V	
C184	BICE226500MP01	E CAPACITOR	22uF 50V	
C185	BICE106500MP01	E CAPACTIOR	10uF 50V	
C202	BICE476250MP01	E CAPACITOR	47uF 25V	
C203	BICE105500MP01	E CAPACITOR	1uF 50V	
C204	BICE105500MP01	E CAPACITOR	1uF 50V	
C205	BICC681500KA04	C CAPACITOR	680pF 50V	
C206	BICC681500KA04	C CAPACITOR	680pF 50V	
C207	BICC221500JA04	C CAPACITOR	220pF 50V	
C208	BICC221500JA04	C CAPACITOR	220pF 50V	
C213	BICE107630MP01	E CAPACITOR	100uF 63V	
C214	BICE107630MP01	E CAPACITOR	100uF 63V	
C215	BICE476500MP01	E CAPACITOR	47uF 50V	
C216	BICE476500MP01	E CAPACITOR	47uF 50V	
C217	BICC030500CA04	C CAPACITOR	3pF 50V	
C218	BICC030500CA04	C CAPACITOR	3pF 50V	
C237	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C238	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C239	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C240	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C241	BICE106500MP01	E CAPACTIOR	10uF 50V	
C242	BICE105500MP01	E CAPACITOR	1uF 50V	
C243	BICC153500KA04	C CAPACITOR	0.015uF 50V	
C244	BICC153500KA04	C CAPACITOR	0.015uF 50V	
C245	BICC473500KA04	C CAPACITOR	0.047uF 50V	
R101	BIRC3300045M00	C RESISTOR	33Ω 1/4W	
R102	BIRC3300045M00	C RESISTOR	33Ω 1/4W	
R104	BIRC6820105A00	C RESISTOR	6.8KΩ 1/10W	
R105	BIRC3320105A00	C RESISTOR	3.3KΩ 1/10W	
R107	BIRC2230105A00	C RESISTOR	22KΩ 1/10W	
R108	BIRC2210105A00	C RESISTOR	220Ω 1/10W	
R109	BIRC2210105A00	C RESISTOR	220Ω 1/10W	
R110	BIRC2210105A00	C RESISTOR	220Ω 1/10W	
R111	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R113	BIRC2230105A00	C RESISTOR	22KΩ 1/10W	
R121	BIRC5610105A00	C RESISTOR	560Ω 1/10W	
R131	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R132	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R134	BIRC2240105A00	C RESISTOR	220KΩ 1/10W	
R135	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R136	BIRC5600105A00	C RESISTOR	56Ω 1/10W	
R137	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R139	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R141	BIRC1210025N00	C RESISTOR	120Ω 1/2W	
R142	BIRC5620105A00	C RESISTOR	5.6KΩ 1/10W	
R143	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R144	BIRC5620105A00	C RESISTOR	5.6KΩ 1/10W	
R151	BIRC1830105A00	C RESISTOR	18KΩ 1/10W	
R152	BIRC6840105A00	C RESISTOR	680KΩ 1/10W	
R153	BIRC1030085M00	C RESISTOR	10KΩ 1/8W J	
R155	BIRC4700105A00	C RESISTOR	47Ω 1/10W	
R156	BIRC1040105A00	C RESISTOR	100KΩ 1/10W	
R157	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R158	BIRC3910105A00	C RESISTOR	390Ω 1/10W	
R174	BIRC2230105A00	C RESISTOR	22KΩ 1/10W	
R175	BIRC2230085M00	C RESISTOR	22KΩ 1/8W	
R176	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R182	BIRC3320105A00	C RESISTOR	3.3KΩ 1/10W	
R183	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R184	BIRC5620085M00	C RESISTOR	5.6KΩ 1/8W J	
R185	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R186	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R201	BIRC3920105A00	C RESISTOR	3.9KΩ 1/10W	
R203	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R204	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R205	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R206	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R207	BIRC2730105A00	C RESISTOR	27KΩ 1/10W	
R208	BIRC2730105A00	C RESISTOR	27KΩ 1/10W	
R209	BIRC1520105A00	C RESISTOR	1.5KΩ 1/10W	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R210	BIRC1520105A00	C RESISTOR	1.5KΩ 1/10W	
R215	BIRC5630105A00	C RESISTOR	56KΩ 1/10W	
R216	BIRC5630105A00	C RESISTOR	56KΩ 1/10W	
R217	BIRM0022N25N00	M RESISTOR	0.22Ω 2W	
R218	BIRM0022N25N00	M RESISTOR	0.22Ω 2W	
R221	BIRC3320105A00	C RESISTOR	3.3KΩ 1/10W	
R222	BIRC3320105A00	C RESISTOR	3.3KΩ 1/10W	
R259	BIRC1020085N00	C RESISTOR	1KΩ 1/8W	
R260	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R261	BIRC1530105A00	C RESISTOR	15KΩ 1/10W	
R262	BIRC1530105A00	C RESISTOR	15KΩ 1/10W	
R263	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R264	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R269	BIRC1540105A00	C RESISTOR	150KΩ 1/10W	
R270	BIRC1540085M00	C RESISTOR	150KΩ 1/8W	
R275	BIRC2200085M00	C RESISTOR	22Ω 1/8W	
R276	BIRC2200085M00	C RESISTOR	22Ω 1/8W	
R277	BIRC2200085M00	C RESISTOR	22Ω 1/8W	
R278	BIRC2200085M00	C RESISTOR	22Ω 1/8W	
R279	BIRC2200085A00	C RESISTOR	22Ω 1/8W	
R280	BIRC2200085A00	C RESISTOR	22Ω 1/8W	
R281	BIRC2200085A00	C RESISTOR	22Ω 1/8W	
R282	BIRC2200085A00	C RESISTOR	22Ω 1/8W	
R283	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R284	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R285	BIRC4710105A00	C RESISTOR	470Ω 1/10W	
R286	BIRC4740105A00	C RESISTOR	470KΩ 1/10W	
R287	BIRC1000085M00	C RESISTOR	10Ω 1/8W	
R289	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R290	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R291	BIRC6810025N00	C RESISTOR	680Ω 1/2W	
R292	BIRC6810025N00	C RESISTOR	680Ω 1/2W	
R293	BIRC5610105A00	C RESISTOR	560Ω 1/10W	
R294	BIRC5610105A00	C RESISTOR	560Ω 1/10W	
R295	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R296	BIRC2220105A00	C RESISTOR	2.2KΩ 1/10W	
R297	BIRC3920105A00	C RESISTOR	3.9KΩ 1/10W	
R298	BIRC5610105A00	C RESISTOR	560Ω 1/10W	
R299	BIRC5610105A00	C RESISTOR	560Ω 1/10W	
L101	BI18A843556N00	FILTER BEAD	843556	
L201	BI2600702V	CHOKE COIL	1uH	
L202	BI2600702V	CHOKE COIL	1uH	
CN102	BI12S600961	CONNECTOR	6P	
CN105	BI12S300471V	CONNECTOR	3P	
CN157	BI12S20016	CONNECTOR	2P	
CN181	BI12S30039	CONNECTOR	3P	
CN201	BI12S150028V	SOCKET	15P board to board	
CN202	BI12SBI120051V	CONNECTOR	12P board to board	
CN204	BI12S40047	CONNECTOR	4P	
CN205	BI12S50166X	CONNECTOR	5P	
CN206	BI12S30078V	CONNECTOR	3P	
CNP157	BI12P20205V	CONNECTOR WIRE	2P for TEHERMISTOR to AMP CN157	
JR102	BIRC0000085A00	C RESISTOR	0Ω 1/8W	
JR103	BIRC0000085A00	C RESISTOR	0Ω 1/8W	
JR104	BIRC0000085A00	C RESISTOR	0Ω 1/8W	
JR105	BIRC0000085A00	C RESISTOR	0Ω 1/8W	
JR106	BIRC0000085A00	C RESISTOR	0Ω 1/8W	
JR107	BIRC0000085A00	C RESISTOR	0Ω 1/8W	
P101	BI11A050M0Y	BLACK WIRE	50mm UL1007	
P102	BI11A050M0Y	BLACK WIRE	50mm UL1007	
RF140	BIRF3300025N00	FUSE RESISTOR	33Ω 1/2W	
⚠ RF181	BIRF3300025N00	FUSE RESISTOR	33Ω 1/2W	
⚠ RF211	BIRF1010025N00	FUSE RESISTOR	100Ω 1/2W	
⚠ RF212	BIRF1010025N00	FUSE RESISTOR	100Ω 1/2W	
RY201	BI8RL00191V	RELAY	DC12V ME-7C-012-3H	
XXXXX	BIRT103THMSP01	THERMISTOR	10K ATTACH to HEATSINK	
ZD101	UZ12BSC	Z DIODE	BI3UZ12BSCM000V	
ZD121	MTZJ3.9B	Z DIODE	BI3MTZJ3.9BM000	
ZD157	UZ5.6BSB	Z DIODE	BI3UZ5.6BSBM000	
ZD181	UZ30BSA	Z DIODE	BI3UZ30BSDM000	
ZD182	UZ6.2BSB	Z DIODE	BI3UZ6.2BSBM000	

Power trans board

Block No. [0][5]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC901	BI101851X	IC	NJM78L05	
Q903	KTC3199GR	TRANSISTOR	BI2KTC3199GP00	
D901	1N4001	DIODE	BI31N4001M0006	
D902	1N4001	DIODE	BI31N4001M0006	
D903	1N4001	DIODE	BI31N4001M0006	
D904	1N4001	DIODE	BI31N4001M0006	
D905	1N4001	DIODE	BI31N4001M0006	
D907	1SS133	FR DIODE	BI31SS133M000V7	
D908	1SS133	FR DIODE	BI31SS133M000V7	
⚠ C901	BICT224275M	TA CAPACITOR	0.22uF 275V	
C903	BICH104500KM01	C CAPACITOR	0.1uF 50V	
C904	BICE477250MP01	E CAPACITOR	470uF 25V	
C905	BICE227100MP01	E CAPACITOR	220uF 10V	
C906	BICE476160MP01	E CAPACITOR	47uF 16V	
C907	BICH472500KM01	C CAPACITOR	4700pF 50V	
R902	BIRC3320085M00	C RESISTOR	3.3KΩ 1/8W	
R903	BIRC1820085M00	C RESISTOR	1.8KΩ 1/8W	
R905	BIRC3300085M00	C RESISTOR	33Ω 1/8W	
R906	BIRC4720085M00	C RESISTOR	4.7KΩ 1/8W J C	
R907	BIRC1220085M00	C RESISTOR	1.2KΩ 1/8W	
BN903	BI12P60170V	CONNECTOR WIRE	6P for AMP CN102	
⚠ CN901	BI12S200691V	CONNECTOR	2P	
⚠ CN902	BI12S200691V	CONNECTOR	2P	
⚠ PT902	BI211021030001	POWER TRANS		
⚠ RY901	BI8RL00171V	RELAY	DC9V 250mW KTC3199GR	

CD board

Block No. [0][6]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC701	BI116431X	IC	SIL9226X01-Q08	
IC703	BI118221X	IC	ICBA5927FM	
IC801	BI120281X	IC	S5L8310	
IC802	BI117401X	IC	K4S161622H-uc60	
IC803	BI118171X	IC	BH18FB1WG	
IC871	BI118121X	IC	MN101C61G	
IC872	BI118251X	IC	BR93L56RF	
Q701	KTA1266GR	TRANSISTOR	BI2KTA1266GP00	
Q703	KTA1273	TRANSISTOR	BI2KTA1273P0008	
Q762	2SC3052	TRANSISTOR	BI2SC3052FA013H	
Q871	DTC114TK	DIGI TRANSISTOR	BI2DTC114TKA011	
D765	1SS133	FR DIODE	BI31SS133M000V7	
C701	BICC104500ZA04	C CAPACITOR	0.1uF 50V	
C702	BICC104500ZA04	C CAPACITOR	0.1uF 50V	
C703	BICC102500JA04	C CAPACITOR	1000pF 50V	
C704	BICE476160MP11	E CAPACITOR	47uF 16V	
C705	BICC102500JA04	C CAPACITOR	1000pF 50V	
C706	BICC102500JA04	C CAPACITOR	1000pF 50V	
C707	BICC103250KA04	C CAPACITOR	0.01uF 25V	
C708	BICC473250KA04	C CAPACITOR	0.047uF 25V	
C709	BICE227063MP11	E CAPACITOR	220uF 6.3V	
C710	BICE107100MP11	E CAPACITOR	100uF 10V	
C711	BICC040500CA04	C CAPACITOR	4pF 50V	
C712	BICC080500DA04	C CAPACITOR	8pF	
C713	BICC682500KA04	C CAPACITOR	6800pF 50V	
C714	BICC821500JA04	C CAPACITOR	820pF 50V	
C715	BICE475500MP11	E CAPACITOR	4.7uF 50V	
C716	BICC104250KA04	C CAPACITOR	0.1uF 25V	
C717	BICC104250KA04	C CAPACITOR	0.1uF 25V	
C718	BICC102500JA04	C CAPACITOR	1000pF 50V	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C719	BICC104250KA04	C CAPACITOR	0.1uF 25V	
C720	BICC333250KA04	C CAPACITOR	0.033uF 25V	
C721	BICC474100KA04	C CAPACITOR	0.47uF 10V	
C722	BICC474100KA04	C CAPACITOR	0.47uF 10V	
C723	BICC103250KA04	C CAPACITOR	0.01uF 25V	
C724	BICC103250KA04	C CAPACITOR	0.01uF 25V	
C725	BICC683160KA04	C CAPACITOR	0.068uF 16V	
C726	BICE106160MP11	E CAPACITOR	10uF 16V	
C727	BICC823160KA04	C CAPACITOR	0.082uF 16V	
C728	BICC104250KA04	C CAPACITOR	0.1uF 25V	
C729	BICC102500JA04	C CAPACITOR	1000pF 50V	
C730	BICC222500KA04	C CAPACITOR	2200pF 50V	
C731	BICC333250KA04	C CAPACITOR	0.033uF 25V	
C732	BICC104250KA04	C CAPACITOR	0.1uF 25V	
C733	BICC104250KA04	C CAPACITOR	0.1uF 25V	
C734	BICC101500JA04	C CAPACITOR	100pF 50V	
C735	BICC101500JA04	C CAPACITOR	100pF 50V	
C736	BICC101500JA04	C CAPACITOR	100pF 50V	
C737	BICC101500JA04	C CAPACITOR	100pF 50V	
C738	BICC101500JA04	C CAPACITOR	100pF 50V	
C739	BICC101500JA04	C CAPACITOR	100pF 50V	
C740	BICC101500JA04	C CAPACITOR	100pF 50V	
C741	BICC391500JA04	C CAPACITOR	390pF 50V	
C742	BICC391500JA04	C CAPACITOR	390pF 50V	
C743	BICC391500JA04	C CAPACITOR	390pF 50V	
C744	BICC391500JA04	C CAPACITOR	390pF 50V	
C755	BICC102500JA04	C CAPACITOR	1000pF 50V	
C756	BICC102500JA04	C CAPACITOR	1000pF 50V	
C761	BICE477100MP01	E CAPACITOR	470uF 10V	
C762	BICC104500ZA04	C CAPACITOR	0.1uF 50V	
C763	BICE107100MP11	E CAPACITOR	100uF 10V	
C803	BICE107100MP11	E CAPACITOR	100uF 10V	
C804	BICC104500ZA04	C CAPACITOR	0.1uF 50V	
C805	BICC270500JA04	C CAPACITOR	27pF 50V	
C806	BICC270500JA04	C CAPACITOR	27pF 50V	
C807	BICC104500ZA04	C CAPACITOR	0.1uF 50V	
C808	BICE107100MP11	E CAPACITOR	100uF 10V	
C809	BICC104250KA04	C CAPACITOR	0.1uF 25V	
C810	BICC122500KA04	C CAPACITOR	1200pF 50V	
C811	BICC122500KA04	C CAPACITOR	1200pF 50V	
C812	BICC122500KA04	C CAPACITOR	1200pF 50V	
C813	BICC104500ZA04	C CAPACITOR	0.1uF 50V	
C814	BICE107100MP11	E CAPACITOR	100uF 10V	
C815	BICE107100MP11	E CAPACITOR	100uF 10V	
C816	BICC104500ZA04	C CAPACITOR	0.1uF 50V	
C817	BICC104500ZA04	C CAPACITOR	0.1uF 50V	
C818	BICC104500ZA04	C CAPACITOR	0.1uF 50V	
C819	BICC104500ZA04	C CAPACITOR	0.1uF 50V	
C820	BICC104500ZA04	C CAPACITOR	0.1uF 50V	
C821	BICC104500ZA04	C CAPACITOR	0.1uF 50V	
C822	BICC104500ZA04	C CAPACITOR	0.1uF 50V	
C823	BICC104500ZA04	C CAPACITOR	0.1uF 50V	
C825	BICC103250KA04	C CAPACITOR	0.01uF 25V	
C826	BICE106160MP11	E CAPACITOR	10uF 16V	
C827	BICE106160MP11	E CAPACITOR	10uF 16V	
C835	BICC100500DA04	C CAPACITOR	10pF 50V	
C841	BICC102500KA04	C CAPACITOR	1000pF 50V	
C842	BICC330500JA04	C CAPACITOR	33pF 50V	
C843	BICC330500JA04	C CAPACITOR	33pF 50V	
C844	BICC330500JA04	C CAPACITOR	33pF 50V	
C871	BICC103250KA04	C CAPACITOR	0.01uF 25V	
C872	BICC104500ZA04	C CAPACITOR	0.1uF 50V	
C873	BICC150500JA04	C CAPACITOR	15pF 50V	
C874	BICC101500JA04	C CAPACITOR	100pF 50V	
C875	BICC330500JA04	C CAPACITOR	33pF 50V	
C876	BICC470500JA04	C CAPACITOR	47pF 50V	
C877	BICC470500JA04	C CAPACITOR	47pF 50V	
C878	BICC470500JA04	C CAPACITOR	47pF 50V	
C880	BICC470500JA04	C CAPACITOR	47pF 50V	
C881	BICC470500JA04	C CAPACITOR	47pF 50V	
C882	BICC104250KA04	C CAPACITOR	0.1uF 25V	
C883	BICC104500ZA04	C CAPACITOR	0.1uF 50V	
R701	BIRC2200105A00	C RESISTOR	22Ω 1/10W	
R702	BIRC2240105A00	C RESISTOR	220KΩ 1/10W	
R703	BIRC5630105A00	C RESISTOR	56KΩ 1/10W	
R704	BIRC5630105A00	C RESISTOR	56KΩ 1/10W	
R705	BIRC5630105A00	C RESISTOR	56KΩ 1/10W	
R706	BIRC5630105A00	C RESISTOR	56KΩ 1/10W	
R707	BIRC2240105A00	C RESISTOR	220KΩ 1/10W	
R708	BIRC8200105A00	C RESISTOR	82Ω 1/10W	
R709	BIRC5620105A00	C RESISTOR	5.6KΩ 1/10W	
R710	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R711	BIRC6220105A00	C RESISTOR	6.2KΩ 1/10W	
R714	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R715	BIRC1830105A00	C RESISTOR	18KΩ 1/10W	
R716	BIRC2230105A00	C RESISTOR	22KΩ 1/10W	
R717	BIRC1050105A00	C RESISTOR	1MΩ 1/10W	
R718	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R719	BIRC5620105A00	C RESISTOR	5.6KΩ 1/10W	
R720	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R721	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R722	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R723	BIRC2240105A00	C RESISTOR	220KΩ 1/10W	
R724	BIRC8230105A00	C RESISTOR	82KΩ 1/10W	
R725	BIRC1530105A00	C RESISTOR	15KΩ 1/10W	
R726	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R727	BIRC1840105A00	C RESISTOR	180KΩ	
R728	BIRC3930105A00	C RESISTOR	39KΩ 1/10W	
R729	BIRC1840105A00	C RESISTOR	180KΩ	
R730	BIRC8230105A00	C RESISTOR	82KΩ 1/10W	
R731	BIRC1040105A00	C RESISTOR	100KΩ 1/10W	
R732	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R733	BIRC5630105A00	C RESISTOR	56KΩ 1/10W	
R746	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R747	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R752	BIRC1330105A00	C RESISTOR	13KΩ 1/10W	
R753	BIRC1330105A00	C RESISTOR	13KΩ 1/10W	
R754	BIRC1330105A00	C RESISTOR	13KΩ 1/10W	
R755	BIRC1330105A00	C RESISTOR	13KΩ 1/10W	
R756	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R757	BIRC1830105A00	C RESISTOR	18KΩ 1/10W	
R763	BIRC1220105A00	C RESISTOR	1.2KΩ 1/10W	
R764	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R771	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R802	BIRC1020085N00	C RESISTOR	1KΩ 1/8W	
R803	BIRC1020085N00	C RESISTOR	1KΩ 1/8W	
R804	BIRC3310105A00	C RESISTOR	330Ω 1/10W	
R805	BIRC1050105A00	C RESISTOR	1MΩ 1/10W	
R806	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R807	BIRC3310105A00	C RESISTOR	330Ω 1/10W	
R808	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
R809	BIRC1210085M00	C RESISTOR	120Ω 1/8W	
R810	BIRC1210105A00	C RESISTOR	120Ω 1/10W	
R811	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R812	BIRC1230105A00	C RESISTOR	12KΩ 1/10W	
R813	BIRC1230105A00	C RESISTOR	12KΩ 1/10W	
R814	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R836	BIRC1040105A00	C RESISTOR	100KΩ 1/10W	
R837	BIRC1040105A00	C RESISTOR	100KΩ 1/10W	
R841	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R842	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R843	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R844	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R845	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R846	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R847	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R848	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R849	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R850	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R851	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R852	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R853	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R854	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R871	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R876	BIRC1210085M00	C RESISTOR	120Ω 1/8W	
R877	BIRC1210085M00	C RESISTOR	120Ω 1/8W	
R878	BIRC1210085M00	C RESISTOR	120Ω 1/8W	
R879	BIRC1210085M00	C RESISTOR	120Ω 1/8W	
R880	BIRC1210085M00	C RESISTOR	120Ω 1/8W	
R881	BIRC1210085M00	C RESISTOR	120Ω 1/8W	
R882	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R883	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R884	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R885	BIRC1020085M00	C RESISTOR	1KΩ 1/8W J	
R886	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R887	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R888	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R889	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R890	BIRC1020085N00	C RESISTOR	1KΩ 1/8W	
R891	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R892	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R893	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R894	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R895	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R896	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
L710	BI26100000KM00	FIXED INDUCTOR	10uH	
L761	BI18A843556N00	FILTER BEAD	843556	
L801	BI26100000KN00	FIXED INDUCTOR	10uH	
L802	BI26100000KN00	FIXED INDUCTOR	10uH	
L803	BI26100000KM00	FIXED INDUCTOR	10uH	
L804	BI26100000KM00	FIXED INDUCTOR	10uH	
L805	BI26100000KM00	FIXED INDUCTOR	10uH	
L806	BI26100000KN00	FIXED INDUCTOR	10uH	
L808	BI18A843556N00	FILTER BEAD	843556	
L809	BI18A916121A00	FERRITE BEAD	120Ω	
L822	BI18A843556N00	FILTER BEAD	843556	
L871	BI26100000KM00	FIXED INDUCTOR	10uH	
CN701	BI12S160043V	SOCKET	16P	
CN702	BI12P60170V	CONNECTOR WIRE	6P for CD MECH	
CN802	BI12S120038	SOCKET	12P	
CN811	BI12S130045X	CONNECTOR	13P	
CN812	BI12S150035X	CONNECTOR	15P	
CN871	BI12S150027V	SOCKET	15P	
CN872	BI12S20016	CONNECTOR	2P	
CN873	BI12S30039	CONNECTOR	3P	
JR701	BIRC0000105A00	C RESISTOR	0Ω 1/10W	
JR702	BIRC0000105A00	C RESISTOR	0Ω 1/10W	
JR704	BIRC0000105A00	C RESISTOR	0Ω 1/10W	
JR706	BIRC0000105A00	C RESISTOR	0Ω 1/10W	
JR707	BIRC0000105A00	C RESISTOR	0Ω 1/10W	
JR709	BIRC0000105A00	C RESISTOR	0Ω 1/10W	
JR801	BIRC0000105A00	C RESISTOR	0Ω 1/10W	
JR802	BIRC0000105A00	C RESISTOR	0Ω 1/10W	
JR803	BIRC0000085A00	C RESISTOR	0Ω 1/8W	
JR804	BIRC0000085A00	C RESISTOR	0Ω 1/8W	
JW801	BI18A843556N00	FILTER BEAD	843556	
X801	BI2100796	CRYSTAL	16.9344MHz	
X871	BI29ZTA8.00P015	C RESONATOR	8MHz	
XXXXX	BI301635010101	CUSH-S PWB	CUSH	

USB board

Block No. [0][7]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC551	BI118061X	IC	PCM2704DB	
Q551	DTC114YK	DIGI TRANSISTOR	BI2DTC114YKA018	
D551	1SS355	DIODE	BI31SS355A0077	
D581	1SS133	FR DIODE	BI31SS133M000V7	
D582	1SS133	FR DIODE	BI31SS133M000V7	
D591	1SS133	FR DIODE	BI31SS133M000V7	
D592	1SS133	FR DIODE	BI31SS133M000V7	
C551	BICC220500JA04	C CAPACITOR	22pF 50V	
C552	BICC220500JA04	C CAPACITOR	22pF 50V	
C553	BICE476160MP01	E CAPACITOR	47uF 16V	
C555	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C559	BICE476160MP01	E CAPACITOR	47uF 16V	
C561	BICC472500KA04	C CAPACITOR	4700pF 50V	
C562	BICC472500KA04	C CAPACITOR	4700pF 50V	
C564	BICE106160MP01	E CAPACITOR	10uF 16V	
C565	BICE106160MP01	E CAPACITOR	10uF 16V	
C566	BICC105100ZA04	C CAPACITOR	1uF 10V	
C567	BICC105100ZA04	C CAPACITOR	1uF 10V	
C568	BICC105100ZA04	C CAPACITOR	1uF 10V	
C569	BICC105100ZA04	C CAPACITOR	1uF 10V	
C570	BICC223500KA04	C CAPACITOR	0.022uF 50V	
C571	BICE106160MP01	E CAPACITOR	10uF 16V	
C572	BICE106160MP01	E CAPACITOR	10uF 16V	
C573	BICC223500KA04	C CAPACITOR	0.022uF 50V	
C581	BICC102500JA04	C CAPACITOR	1000pF 50V	
C582	BICC102500JA04	C CAPACITOR	1000pF 50V	
C591	BICC102500JA04	C CAPACITOR	1000pF 50V	
C592	BICC102500JA04	C CAPACITOR	1000pF 50V	
C593	BICC220500JA04	C CAPACITOR	22pF 50V	
C594	BICC104500KA04	C CAPACITOR	0.1uF 50V	
C595	BICC104500KA04	C CAPACITOR	0.1uF 50V	
R551	BIRC2200085M00	C RESISTOR	22Ω 1/8W	
R554	BIRC1050105A00	C RESISTOR	1MΩ 1/10W	
R555	BIRC1520105A00	C RESISTOR	1.5KΩ 1/10W	
R556	BIRC2200105A00	C RESISTOR	22Ω 1/10W	
R557	BIRC2200105A00	C RESISTOR	22Ω 1/10W	
R558	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R559	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R560	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R561	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R562	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R563	BIRC1020105A00	C RESISTOR	1KΩ 1/10W	
R564	BIRC1030105A00	C RESISTOR	10KΩ 1/10W	
R565	BIRC1520105A00	C RESISTOR	1.5KΩ 1/10W	
R570	BIRC1500105A00	C RESISTOR	15Ω 1/10W	
R571	BIRC3310105A00	C RESISTOR	330Ω 1/10W	
R572	BIRC3310105A00	C RESISTOR	330Ω 1/10W	
R573	BIRC1500105A00	C RESISTOR	15Ω 1/10W	
R581	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R582	BIRC4730105A00	C RESISTOR	47KΩ 1/10W	
R583	BIRC0000105A00	C RESISTOR	0Ω 1/10W	
R587	BIRC1010105A00	C RESISTOR	100Ω 1/10W	
R591	BIRC8200105A00	C RESISTOR	82Ω 1/10W	
R592	BIRC8200105A00	C RESISTOR	82Ω 1/10W	
R593	BIRC1010085M00	C RESISTOR	100Ω 1/8W J	
L551	BI26BLM21BA000	COIL	BLM21B272S	
L552	BI26BLM21BA000	COIL	BLM21B272S	
L553	BI26BLM21BA000	COIL	BLM21B272S	
L554	BI26BLM21BA000	COIL	BLM21B272S	
L556	BI26BLM21BA000	COIL	BLM21B272S	
L557	BI26BLM21BA000	COIL	BLM21B272S	
L558	BI26BLM21BA000	COIL	BLM21B272S	
L559	BI26BLM21BA000	COIL	BLM21B272S	
L581	BI26BLM21BA000	COIL	BLM21B272S	
L591	BI26010000KM00	FIXED INDUCTOR	1uH	
BN551	BI12P80124Y	CONNECTOR WIRE	8P for MAIN CN671	
BN591	BI12P402341V	CONNECTOR WIRE	4P for AMP CN204	
JK551	BI23B1541V	USB TERMINAL	4P	
JK552	BI23B0292	AUX JACK	HTJ-035-18ABT	
JK591	BI23B0292	AUX JACK	HTJ-035-18ABT	
JR561	BIRC0000105A00	C RESISTOR	0Ω 1/10W	
X551	BI2102391V	CRYSTAL	12MHz	

AC power board

Block No. [0][8]

⚠ Symbol No.	Part No.	Part Name	Description	Local
CN4	BI12P30267X	CONNECTOR WIRE	3P for AMP CN206	
CN7	BI12P50174X	CONNECTOR WIRE	5P for AMP CN205	
⚠ CN906	BI12P20239Y	CONNECTOR WIRE	2P for POWER CN902	

Wiring

Block No. [0][9]

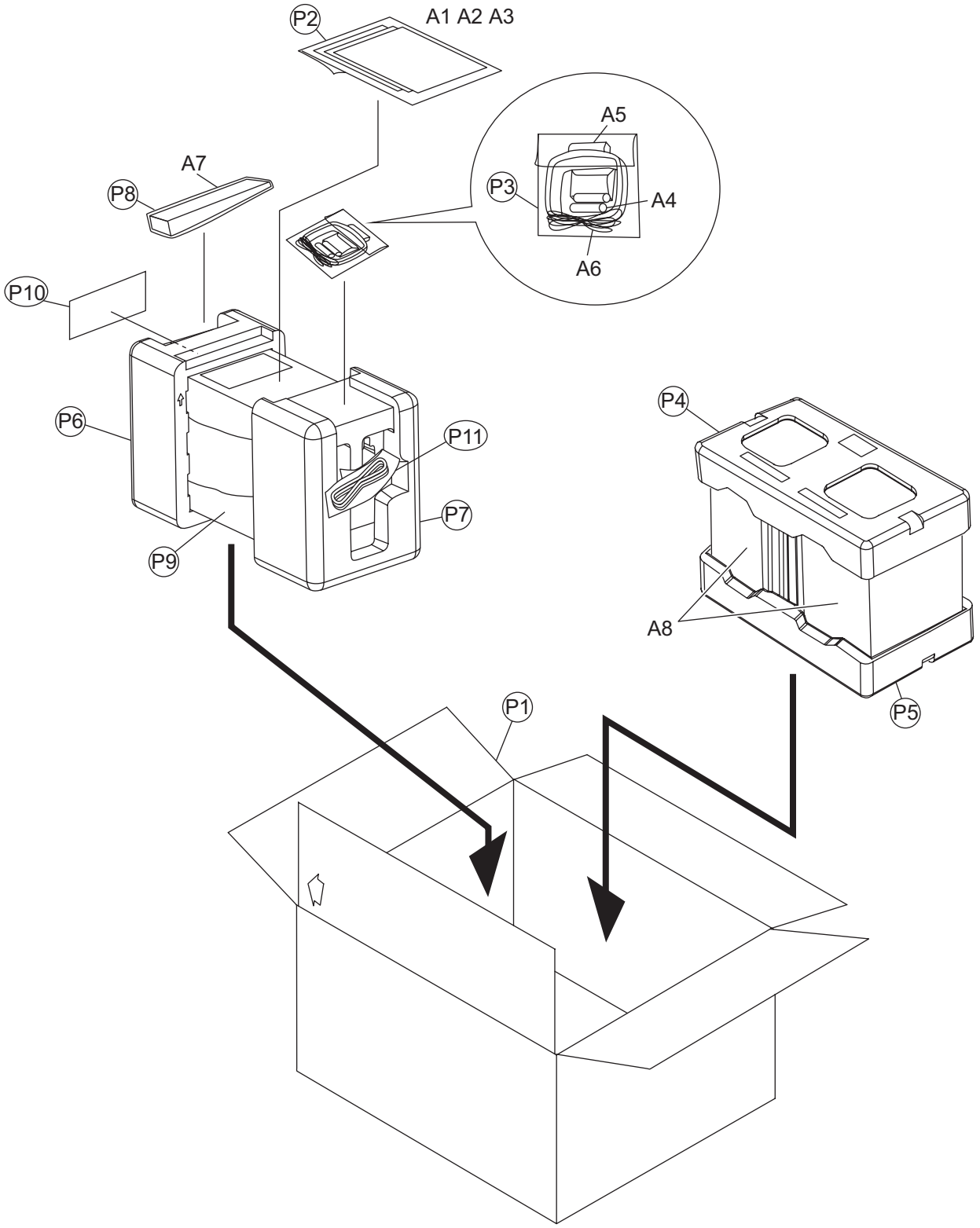
⚠ Symbol No.	Part No.	Part Name	Description	Local
XXXXX	BI1207271Y	FFC CABLE	10P for TUNER PACK to MAIN CN681	
XXXXX	BI1206561Y	FFC CABLE	16P for CD CN701 to CD PICKUP	
XXXXX	BI1207221Y	FFC CABLE	12P for MAIN CN661 to CD CN802	
XXXXX	BI1207211Y	FFC CABLE	11P for MAIN CN402 to FRONT CN351	
XXXXX	BI1207311Y	FFC CABLE	15P for CD CN812 to MAIN CN412	
XXXXX	BI1207301Y	FFC CABLE	13P for CD CN811 to MAIN CN411	
XXXXX	BI3024310101X1	CUSHION	12x10(x2)	

<MEMO>

Packing materials and accessories parts list

Block No. M 3 M M

No additional / supplemental order of WARRANTY CARDs are available.



Packing and Accessories

Block No. [M][3][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	A 1	BI440001656000	INST BOOK	ENG	J
	A 1	BI440001666000	INST BOOK	ENG FRE	C
	A 2	----------	WARRANTY CARD	BT-51034-2	J
	A 2	----------	WARRANTY CARD	BT-52006-2	C
	A 3	BI400023260002	SAFETY CARD		
	A 4	----------	BATTERY	(x2)	
	A 5	BIAN01361X	AM LOOP ANT		
	A 6	BIAN01371Y	FM WIRE ANT		
	A 7	BI643UXG5005SX	REMOTE CONTROL		
	A 8	BI644UXG50205S	SPK BOX	(x2)	
	P 1	BI430002014000	CARTON		
	P 2	BI470011031004	POLY BAG	for I/B	
	P 3	BI470011057004	POLY BAG	ANT LOOP	
	P 4	BI450012100000	POLY FOAM TOP	Speaker Box	
	P 5	BI450012101000	POLY FOAM BOTT	Speaker Box	
	P 6	BI450012097000	POLY FOAM FRONT	UNIT	
	P 7	BI450012096000	POLY FOAM REAR	UNIT	
	P 8	BI470011526000	POLY BAG	for Remote control	
	P 9	BI450032001000	PROTECT SHEET		
	P 10	BI450011134001	SHEET CROTH		
	P 11	BI470011067002	POLY BAG	For AC Cord	